



JEWELLERY EQUIPMENT CATALOGUE 2025

About Us

Harshad Group Over 50 years ago, when Dubai was still a developing desert city, our founder Late Mr. Hargovind Dhakan (Babubhai) began his journey as a goldsmith. Facing difficulties sourcing tools for jewellery making, he saw an opportunity—importing tools from India and selling them locally, while continuing his craft.

As demand grew with the city's expansion, he brought his three sons into the business. Together, they rapidly scaled operations, sourcing from across the globe. This laid the foundation for Harshad, now a leading and respected name in tools, machinery, display, and packaging materials for the jewellery industry in the Middle East.

After a strategic restructuring in 2016, Harshad Group has become synonymous with customer service, reliability, and industry expertise. Today, we operate through 10 branches and a strong regional dealer network, representing world-renowned brands in the jewellery sector.

We offer comprehensive solutions for the jewellery industry - from small consumables to advanced manufacturing machinery, along with packaging boxes and display systems.

Our newly launched EXPERIENCE CENTRE in Dubai's Gold Souq is designed to enhance innovation, research, and customer engagement like never before.

We look forward to assisting you with your queries and orders—your satisfaction is our commitment.

Harshad Group

Harshad Group India

A New Chapter Begins

Harshad Group, a leader in the Middle Eastern jewellery sector, proudly announces its transformation into Harshad Group India—a strategic step toward expanding our legacy into the Indian market.

Backed by over 50 years of industry experience and led by visionaries Mr. Vijay and Mr. Anil, this evolution blends global expertise with a deep understanding of India's unique jewellery landscape. With a team of 160 professionals, including 20 technical experts, we are committed to raising the bar in innovation, service, and customer satisfaction.

Harshad Jeweltech Solutions LLP, will deliver world-class tools, technology, and solutions—tailored for Indian artisans and manufacturers—while upholding our legacy of trust, quality, and innovation.

Join us as we shape the future of jewellery-making in India.

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Catalogue



Harshad Jeweltech
Solutions LLP



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Mettler Toledo JET Series

Jewellery Balances

JET gold and carat balances deliver the accuracy you need for weighing diamonds, gemstones, gold and precious metals.

Designed to Perform

Advanced weighing technologies, solid construction, and special design features deliver the accuracy you need for weighing jewellery and precious metals.

Intuitive Touch Screen Operation

The large colour touch screen is easy to read, even under the dazzling glare of shop lights, while the user interface is simple for anyone to use.

Automatic Performance Testing

JET balances use internal weights to automatically test and adjust the balance, helping to ensure that weighing performance remains true.

- * Intuitive user interface
- * Statistical data analysis
- * Secondary display option
- * Hook for weighing below the balance
- * Robust design with overload protection
- * Bluetooth option
- * Data transfer function
- * 17 weighing units

Interface

RS232, USB Host, USB Device



Gold Balance

Model	Capacity	Readability
JET303G	320 g	0.001 g
JET603G	620 g	0.001 g
JET1003G	1020 g	0.001 g
JET1002G	1200 g	0.01 g
JET2002G	2200 g	0.01 g
JET3002G	3200 g	0.01 g
JET4002G	4200 g	0.01 g
JET6002G	6200 g	0.01 g
JET12002G	12200 g	0.01 g
JET6001G	6200 g	0.1 g

Touchscreen



Touchscreen

Carat Balance

Model	Capacity	Readability
JET503C	505 ct / 101 g	0.001 ct / 0.1 mg
JET703C	700 ct / 140 g	0.001 ct / 0.1 mg
JET1103C	1100 ct / 220 g	0.001 ct / 0.1 mg
JET1603C	1600 ct / 320 g	0.001 ct / 0.1 mg

Weighing pan diameter (models JET503G - JET1603G) - 90 mm

Weighing pan diameter (models JET303G - JET1003G) - 120 mm

Weighing pan size (models JET1002G - JET12002G) - 180 x 180 mm

Watch Video



Explore more





Precious Metal Weighing Balance

JE Series Gold and Carat Balances

JE balances fulfil all your daily jewellery weighing requirements with simple and reliable balances. Enjoy the large, bright screen and have all essential balance functions at your fingertips.

Thanks to the internal test weights, you can test and adjust your balance at any time with just the touch of a button to ensure ongoing accuracy. The solid construction provides high stability to ensure fast results and prevent the balance from moving if accidentally bumped.

Built from high quality materials, JE balance will provide you with years of reliable service.

Interface : RS232 x1



Model	Capacity	Readability
JE203G	220 g	0.001 g
JE303G	320 g	0.001 g
JE503G	520 g	0.001 g
JE1002G	1200 g	0.01 g
JE2002G	2200 g	0.01 g
JE3002G	3200 g	0.01 g
JE4002G	4200 g	0.01 g
JE5002G	5200 g	0.01 g



Model	Capacity	Readability
JE503C	505 ct / 101 g	0.001 ct / 0.1 mg
JE703C	700 ct / 140 g	0.001 ct / 0.1 mg
JE1103C	1100 ct / 220 g	0.001 ct / 0.1 mg

JL Series Gold Balances

Specification	JL602GE	JL1502GE
Maximum Capacity	620 g	1520 g
Readability	0.01 g	0.01 g
Minimum Weight (U=1% , k=2), typical	1.4 g	1.4 g
Adjustment	External	External
Repeatability	0.007 g	0.007 g
Settling Time	2 s	N/A
Dimensions	225 x 67 x 194 mm	225 x 67 x 194 mm
Housing	Plastic ABS/PC	Plastic ABS/PC
Interface	RS232	RS232
Balance Model	Gold	Gold
Display	LCD backlit display	LCD backlit display
Guaranteed Repeatability	0.01g	0.01 g
Linearity	0.03 g	0.03 g
Temp. Accuracy (±)	10 ppm/°C	10 ppm/°C
Material Number	30113832	30113831

Strong and lightweight, for weighing jewellery anywhere.

Space-saving Design: The ultra-sleek design is perfect for small spaces. These light and compact balances are easy to carry to wherever you want to weigh.

Bright Display: The backlit display with large figures is easy to read in both bright and dim lighting conditions.

Designed to last: A stainless steel weighing pan and robust construction ensure reliable performance, day after day.



JL 1502 GE / JL 602 GE





Mettler Toledo JP Series

Gold Balances

High capacity balances built to last..

Accurately weigh your heavy loads: 16200 g & 32200 g capacity, 0.1 g readability, large platform, overload protection, FACT fully automatic internal adjustment, full metal housing.

Perfect for Heavy Loads

JP balances are extremely solid and do not move when accidentally bumped or tilt when heavy items, such as bullion, are placed on the weighing pan.

Large Weighing Platform

The large weighing pan accommodates big items with ease. The high stability enables items such as gold bullion to be placed securely on the balance.

Easy to Read Display

The high contrast display has large bright numbers that are easy to read, even in challenging lighting conditions.



JP16001G / JP32001G

Specification	JP16001G	JP32001G
Maximum Capacity	16200 g	32200 g
Readability	0.1 g	0.1 g
Minimum Weight (U=1%, k=2), typical	14 g	14 g
Adjustment	Internal/FACT	Internal/FACT
Repeatability (Typical)	0.07 g	0.07 g
Weighing Pan Dimension (WxD)	351 x 245 mm	351 x 245 mm
Settling Time	1 s	1 s
Dimensions (W x D x H)	363 x 346 x 118 mm	363 x 346 x 118 mm
Housing	Die-cast aluminium	Die-cast aluminium
Interface	USB Device, RS232	USB Device, RS232
Balance Model	Gold	Gold
Display	High Contrast Display HCD	High Contrast Display HCD
Resolution	0.1g	0.1 g
Material Number	11143045	11143048

Explore
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Micro Balance

WXTJ3DU

Precise weighing for your smallest jewellery samples. 1.2 / 3.2 g capacity, 0.001 / 0.01 mg readability, high resolution weighing cell, touch screen, FACT fully automatic internal adjustment, practical size. The WXTJ microbalance offers unsurpassed accuracy down to 1 microgram for weighing your smallest precious samples.

Highly Accurate Weighing

Weigh jewelry accurately with a fine range up to 1.2 g with readability 0.001 mg (= 1 µg) and from 1.2 g to 3.2 g with 0.01 mg readability (= 10 µg).

High Stability for Fast Results

The WXTJ balance has a solid steel and aluminum housing. This offers a high level of stability, meaning you get fast and accurate results.



Specification

Maximum Capacity	1.2 g/ 3.2 g
Readability	0.001 mg; 0.01 mg
Repeatability (limit)	0.001 mg
Repeatability (typical)	0.0008 mg
Minimum Weight (U=1%, k=2), typical	0.16 mg
Adjustment	Internal / FACT
Weighing Pan Diameter	32 mm
Legal for Trade	No
Minimum Weight (UPS, 0.1%), typical	1.6 mg
Linearity, limit	0.02 mg
Linearity, typical	0.006 mg
Settling Time	5 s
Housing	Die-cast aluminium
Interfaces	RS 232
Balance Model	Carat; Gold
Display	Touchscreen
Guaranteed Repeatability	0.001 mg
Dimensions (W x D x H)	12.7 x 26.1 x 16.5 cm
Material Number	30335763





Semi-Micro Balance

JE 155 DUG/00

Analytical



Precise weighing for small jewellery samples. 42 / 152 g capacity, 0.01 / 0.1 mg readability, bright and clear back-lit LCD, internal adjustment, passcode protection, overload protection, metal base. JE semi-micro balance enables you to weigh gold and diamonds to 5 decimal places with the utmost accuracy.

Precise Results

Weigh to 5 decimal places with the utmost accuracy. This dual range balance offers full range readability of 0.1 mg with 0.01 mg in the fine range.

Easy Performance Testing

Ensure accuracy by testing your balance regularly with the internal weights. At just the touch of a button, the balance tests and adjusts itself.

- * Bright Display with Large Numbers
- * Convenient Levelling
- * Easy Density Measurement

- * 8 Applications
- * 16 Weight Units
- * Designed to Last



Specification

Maximum Capacity	42 g / 152 g
Readability	0.01 mg; 0.1 mg
Readability (Certified)	1 mg
Repeatability (typical)	0.02 mg
Minimum Weight (U=1%, k=2), typical	4 mg
Adjustment	Internal
Weighing Pan Diameter	80 mm
Legal for Trade	No
Minimum Weight (UPS, 0.1%), typical	40 mg
Linearity, limit	0.2 mg
Linearity, typical	0.1 mg
Settling Time	5 s
Housing	Die-cast aluminium, ABS
Interfaces	RS 232
Balance Model	Carat; Gold
Display	LCD Backlit Display
Guaranteed Repeability	0.06 mg
Dimensions (W x D x H)	21 x 34.4 x 27.9 cm
Material Number	30398936

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Ohaus PJX Series

Gold and Carat Balances

The PJX Series offers a range of Jewellery Balances for weighing precious metals and stones in a variety of capacities and readabilities. The PJX Series is OIML approved and ideal for legal-for-trade applications. The PJX features an auxiliary display that can be easily connected to provide simultaneous viewing of results for both trader and customer. Select models come with a built-in internal adjustment system.

Applications

Basic Weighing, Parts Counting, Percent Weighing, Density Determination

Display

Backlit Liquid Crystal Display (LCD)

Operation

AC adapter (included)

Communication

RS232 interface and Mini-Din port (for connecting auxiliary display)

Construction

Metal base, plastic top housing, removable stainless steel pan, removable glass draftshield or side doors, integrated weigh-below-hook, security bracket, calibration lock and in-use cover

Design Features

User-selectable environmental filters and brightness settings, auto-tare, auto-dim, user-selectable span calibration points, software lockout and reset menu, user-selectable communication settings and data print options, user-definable project and user IDs, software overload/underload indicator, stability indicator



Model	Capacity	Readability
PJX822	820 g	0.01 g
PJX1602	1600 g	0.01 g
PJX2202	2200 g	0.01 g
PJX3202	3200 g	0.01 g
PJX4202	4200 g	0.01 g
PJX5202	5200 g	0.01 g
PJX6202	6200 g	0.01 g
PJX2201	2200 g	0.1 g

Weighing pan size (models PJX822 - PJX6202) - 180 mm
Weighing pan size (models PJX2201 - PJX6201) - 180 mm

Model	Capacity	Readability
PJX203	40 g / 200 ct	0.0001 g; 0.001 ct
PJX803	160 g / 800 ct	0.0001 g; 0.001 ct
PJX1203	240 g / 1200 ct	0.0001 g; 0.001 ct
PJX1603	320 g / 1600 ct	0.001 g; 0.005 ct
PJX2503	500 g / 2500 ct	0.001 g; 0.005 ct

Weighing pan size (models PJX203 - PJX1203) - 90 mm
Weighing pan size (models PJX1603 - PJX2503) - 120 mm





Ohaus SJX Series

Jewellery Scales

Designed for a wide range of regular and trading applications, the Class II certified SJX Carat and Gold balances are ideal for weighing jewellery, precious metals, gemstones etc. Equipped with superior overload protection, large backlit display, fast stabilization time, multiple weighing units, application modes and connectivity options, these slim balances offer a truly user-friendly weighing experience.

Applications

Weighing, Parts Counting, Percent Weighing, Check Weighing, Totalization, Density Determination, Display Hold

Display

Backlit Liquid Crystal Display (LCD)

Operation

AC adapter (included) or 4 AA Batteries (Not included)

Communication

RS232, USB Host, USB Device, Ethernet or Bluetooth® (available as an accessory)

Construction

ABS housing, stainless steel pan, ABS draftshield (1mg model only), weigh below hook, transportation lock, manual calibration lock switch, security slot, adjustable levelling feet, illuminated up-front level indicator.

Design Features

Stability indicator, mechanical and software overload/underload protection, low battery indicator, auto shut-off, auto tare, scoop on 64g model, weight on 64g SJX/E model only.



Model	Capacity	Readability
SJX323	64 g	0.001 g
SJX622	620 g	0.01 g
SJX1502	1500 g	0.01 g
SJX3202	3200 g	0.1 g
SJX6201	6200 g	0.1 g

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Video



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Ohaus Ranger 7000

Compact Bench Scale

Ranger 7000, a top of the line compact scale for even the most complex industrial applications.

It offers the best of every ingenious feature that make OHAUS industrial products the right tools for your toughest weighing jobs.

Ranger 7000 boasts the highest resolution, largest display, most application modes and connectivity options, as well as the largest memory library of any industrial compact bench scale in the OHAUS portfolio.

- * 10 advanced application modes, peripheral device control and an optional kit for a second scale platform.
- * Extremely durable scale design. Features IP54 rated metal housing and sealed metal terminal.
- * With SmarText 2.0 software and a 109 mm LCD display, the advanced functionality of Ranger 7000 is simple to use with minimal training.



R71MHD15/R71MHD35

Specifications		
Weighing units	kg, g, lb, oz, lb:oz, custom units	
Application modes	Weighing with statistics, parts counting, percent weighing, check weighing/counting, dynamic weighing (display hold), filling, formulation, differential weighing, density weighing, sieve Analysis	
Display	109 mm TFT graphic LCD	
Keypad	8 function, 5 soft, 12 numeric membrane keys	
Stabilization time	1 second	
Interface	Standard RS232, USB device, USB host Optional ethernet, 2nd RS232, 2nd scale, 2 In/4 Out discrete I/O	
Model	R71MHD15	R71MHD35
Capacity, Readability	15 kg x 0.0001 kg 15000 g x 0.1 g	35 kg x 0.0001 kg 35000 g x 0.1 g
Min. recommended APW	0.005 g	
Min. recommended sample weight	2 g	
Max. displayed resolution	1 : 150000	1 : 350000
Internal counting solution	1 : 3000000	1 : 7000000
Linearity/Repeatability	± 2d	
Calibration	AutoCal™, Span or linear	
Power	100-240 VAC / 50/60 Hz Universal Power Supply, Rechargeable Lithium Battery (Optional)	
Platform dimensions (W x D x H)	377 x 311 x 48 mm	
Base housing dimensions (W x D x min H)	377 x 311 x 128 mm	
Display dimensions (W x D x H)	267 x 118 x 72 mm	
Shipping dimensions	665 x 525 x 330 mm	
Net weight	10.9 kg	
Shipping weight	14.4 kg	





Ohaus PX125D

Semi Micro Balance

The Pioneer PX5 combines essential weighing functionality with competitive performance, offering high accuracy and repeatability for applications in laboratory, industrial and education settings. The PX5 is affordably priced, and intuitively designed for intelligent operation with a second line display for additional information, and USB and RS232 connectivity for easy communication.

Applications

Basic Weighing, Parts Counting, Percent Weighing, Animal Weighing, Density Determination, Formulation

Display

Backlit Liquid Crystal Display (LCD); Second line display for additional information or guidance (dot matrix)

Operation

AC adapter (included)

Communication

RS232 and USB device (included); GLP/GMP data output with real-time clock (except US version)

Construction

Metal base, plastic top housing, removable stainless steel pan, glass draftshield, integrated weigh-below-hook, security bracket, calibration lock and in-use cover

Design Features

User-selectable environmental filters and brightness settings, auto-tare, auto-dim, user-selectable span calibration points, software lockout and reset menu, userselectable communication settings and data print options, user-definable project and user IDs, software overload/underload indicator, stability indicator, four operating languages



Specification

Maximum Capacity	52 g/ 120 g
Readability	0.01 mg; 0.1 mg
Repeatability (typical)	0.02 mg; 0.1 mg
Internal Calibration	AutoCal™ - Automatic
Weighing Pan Diameter	80 mm
Legal for Trade	OIML
Minimum Weight (UPS, 0.1%), typical	20 mg
Linearity	0.0001 mg
Settling Time	10 s
Pan Construction	Stainless Steel
Interfaces	USB; RS 232
Balance Model	Carat; Gold
Display	2-Line LCD with Backlight
Dimensions	32.1 x 30.9 x 20.9 cm
Weight	4.5 kg
Working Environment	Operability guaranteed between 5°C and 40°C; 10°C – 30°C, 80%RH, non-condensing

Explore more



Mettler Toledo Accessories



Auxiliary Display



P25
P28
Printers



Calibration Weights



Density Stand



Anti-Vibration Tables



Scale Protective Covers

Ohaus Accessories



Auxiliary Display



Printers



Scale Protective Cover



Density Kit



Calibration Weights



Digital Hotplate Stirrer



XRF Systems for Gold and Precious Metal Analysis

Tailor-made for analysing gold and precious metals with its GOLDScope SD® series, Fischer offers a tailored solution for the non-destructive testing of gold and precious metals. The hardware and software of these robust X-ray fluorescence instruments is adapted to the unique requirements of the jewellery and gold sector.

Your benefit: Unbeatable value for money! With the GOLDScope you buy only what you really need to test gold, jewellery and precious metals.



GOLDScope SD®
510



GOLDScope SD®
515, 520, 550

Features:

- * Compact and sturdy desktop instrument for non-destructive material analysis using X-ray fluorescence
- * Hardware and software geared to the measurement tasks most relevant for gold and precious metals
- * Comfortable measuring thanks to a spacious chamber and bottom-up measurement direction
- * 4 models, suited to any application
- * Complaint with EN 61010, DIN ISO 3497 and ASTM B 568

Application:

- * Purchase and sale of gold
- * Analysis of precious metals, dental alloys
- * Jewellery manufacture
- * Certification: solutions for refineries, assay offices and hallmarking

The handling of the XRF devices is tailored to the needs of the precious metals and jewellery industry. The most important measuring tasks for analysing gold and precious metals are already pre-programmed in the operating software, WinFTM. All you have to do is place the sample on the measurement window and press start. This makes the valuation of jewellery and coins foolproof.

Watch
Video



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GOLDSCOPE SD® Specifications

General Specification

Intended Use	Energy dispersive X-ray measuring instrument (EDXRF) to analyse precious metals
Design	GOLDSCOPE SD 510: Bench top unit with towards the front opening hood, GOLDSCOPE SD 515, 520, 550: Bench top unit with upwards opening hood
Measuring Direction	Bottom Up

Electrical Data

Power Supply And Consumption	AC 115 or 230 V, 50/60 Hz, max. 120 W without evaluation PC
Protection Class	IP40

Environmental Conditions

Operating temperature	10 °C – 45 °C / 50 °F – 113 °F
Storage/Transport temperature	0 °C – 50 °C / 32 °F – 122 °F
Relative humidity	≤ 95 %

Sample Alignment

Sample positioning	Manually
Video microscope	High-resolution CCD colour camera for optical monitoring of the measurement location along the primary beam axis, Crosshairs with a calibrated scale (ruler) and spot-indicator, Adjustable LED illumination
Zoom factor	Digital 1x, 2x, 3x, 4x

Evaluation Unit

Computer	Windows®-PC
Software	WinFTM® optimized for GOLDSCOPE SD, including Gold Setup GOLDSCOPE with measuring applications for gold and jewellery

Standards	GOLDSCOPE SD® 510	GOLDSCOPE SD® 515	GOLDSCOPE SD® 520	GOLDSCOPE SD® 550
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CE Approval	EN 61010, EN 61326
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X-Ray Standard	DIN ISO 3497 and ASTM B 568
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Approval	Individual acceptance inspection as a fully protected instrument according to German radiation protection law	Fully protected instrument with type approval according to current radiation protection legislation.
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Sample Stage

Design	Fixed sample support		
Max. sample weight [kg/lb]	13/29		
Usable sample placement area [mm/in]	305 x 490/12 x 19.3	310 x 320/12.2 x 12.6	
Max. sample height [mm/in]	130/5.1	90/3.5	



	GOLDSCOPE SD® 510	GOLDSCOPE SD® 515	GOLDSCOPE SD® 520	GOLDSCOPE SD® 550
Applications				
Recommended area of application	Small retail shops	Highend retail showrooms, Small assaying offices	Refineries, Assaying offices and Hallmarking centers	Hallmarking centers, Jewellery manufacturing, Assaying offices
Dimensions				
External Dimensions W x D x H (mm/in)	405 x 588 x 426 / 16 x 23 x 17		403 x 588 x 365 / 16 x 23.2 x 14.4	
Weight (kg/lb)	Approx. 45 / 99		Approx. 45 / 99	
X-Ray Source				
X-Ray tube	Tungsten tube, thermally stabilized		Micro-focus tungsten tube with beryllium window	
High voltage, three steps	30, 40, 50 kV	30, 40, 50 kV	30, 40, 50 kV	10, 30, 50 kV
Max. anode current	1 mA			
Primary filter, material and thickness (µm/mils)	None	None	Fixed Al 500/19.7	6x Changable: Ni 10/0.4 no filter Al 1000/39.4 Al 500/19.7 Al 100/3.9 Mylar® 100/3.9
Aperture Collimator Ø (mm/mils)	Fixed Standard 1.0/39 Option 0.6/24	Fixed Standard 1.0/39 Option 0.6/24 or 1.0/39; 2.0/79	Fixed Standard 1.0/39 Option 0.6/24 or 1.0/39; 2.0/79	4x Changable: 0.2/8; 0.6/24; 1.0/39; 2.0/79
Smallest measurement spot* Ø (mm/mils)	Approx. 0.7/28*	Approx. 0.7/28*	Approx. 0.7/28*	Approx. 0.3/12*
* depends on the measuring distance and on the aperture, the actual measurement spot size is shown in the video image				
X-Ray Detection				
Detector type	Silicon PIN detector peltier-cooled		Silicon Drift Detector (SDD), peltier-cooled	
Resolution fwhm for Mn-K _α [eV]	≤ 180		≤ 160	
Element range	S (16) to U (92)		Al (13) to U (92)	
Measuring distance (mm/in)	0 - 25/0 - 1, distance compensation with patented DCM method for simplified measurements at varying distances. For particular applications or for high demand on accuracy an additional calibration might be necessary.			
Repeatability for gold, measurement time 60 sec	≤ 1 ‰ with aperture 1.0 mm	≤ 1 ‰ with aperture 1.0 mm	≤ 0.5 ‰ with aperture 1.0 mm	≤ 0.5 ‰ with aperture 1.0 mm
Order				
Order number	605-684	605-685	605-686	605-687
incl. Gold Setup GOLDSCOPE with factory calibrated measuring applications for gold and jewellery				

GOLDSCOPE SD

520/530/550 - DPP+

Digital Pulse Processor (DPP+)



Fischer®

Fischer X-ray Fluorescence (XRF) measuring devices are continuously optimized to achieve higher precision in shorter measurement times. That is why we have developed our new digital pulse processor DPP+ completely in-house.

The DPP+ is one of the central elements of an X-ray fluorescence spectrometer which processes high count rates.



Achieve up to 45% reduction in absolute standard deviation with same measuring time



Reduce your measurement time by a factor of 3 with the same absolute standard deviation



Secure your Silicon Drift Detector (SDD) detector with a Grid protection



Analytical

Features:

- * Modern Silicon Drift Detector (SDD) for high accuracy and a good detection sensitivity.
- * High-resolution colour video camera for precise determination of the measurement spot.
- * Bench-top unit with upward opening hood.
- * Detector: new SDD detector with 20 mm² (135 eV)
- * Micro-focus tungsten tube with beryllium window
- * Fitted with the new Digital Pulse Processor (DPP+)

Applications

- * Jewellery, precious metals and dental alloys.
- * Precious Metal Analysis eg. Gold, Silver and Platinum group elements such as Iridium, Ruthenium, Osmium, Rhenium.
- * Measuring coating thickness on sterling silver, rhodium finishes or gold alloys.
- * Determination of complex multi layer-coating system.



Gold Refinery



Gold Manufacturing



Tunch and Assaying



Watch
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GOLDSCOPE SD 520/530/550 - DPP+



fischer®

General Specification

Intended use Energy Dispersive X-Ray Fluorescence measuring instrument (EDXRF) for precious metal, alloy analysis and coating thickness measurement in hallmarking, testing, tunch assaying offices, refineries and gold manufacturing.

Design Bench top unit with upwards opening hood

Measuring direction From bottom to top

X-Ray tube Micro-focus tube, thermally stabilized

GOLDSCOPE® SD 520 DPP+ GOLDSCOPE® SD 530 DPP+ GOLDSCOPE® SD 550 DPP+

High voltage (three steps [kV]) 30, 40, 50 10, 30, 50 10, 30, 50

Primary filters [µm/mils] Fixed Al 500/19.7 Ni 10/0.4, no filter, Al 1000/39.4, Al 500/19.7, Al 100/3.9, Mylar® 100/3.9

Apertures (Collimators) Ø [mm/mils] Fixed, Standard 1.0/39 2x changeable: 0.6/24 2.0/79 4x changeable: 0.2/8; 0.6/24; 1.0/39; 2.0/79

Smallest measuring spot Ø [mm/mils] approx. 0.7/28 approx. 0.7/28 approx. 0.3/12

Environmental Condition

Operating temperature 10 °C – 40 °C Storage/transport temperature - 0 °C – 50 °C

Admissible air humidity ≤ 95 %, non condensing

X-Ray Detection

X-ray detector Silicon Drift detector (SDD), peltier cooling

Resolution fwhm for Mn-Kα 20 mm²: ≤135 eV 20 mm²: ≤135 eV 20 mm²: ≤135 eV

Element range Aluminium Al (13) – Uranium U (92)

Measuring distance 0 – 25 mm

*Distance compensation with patented DCM method for simplified measurements at varying distances. For particular applications or for higher demands on accuracy an additional calibration might be necessary.

Standards

X-Ray standards DIN ISO 3497; ASTM B 568; ISO 23345

Sample Alignment

Video microscope High-resolution CCD colour camera for optical monitoring of the measurement location along the primary beam axis, Crosshair with a calibrated scale (ruler) and spot-indicator, Adjustable LED illumination

Zoom Factor Digital 1x, 2x, 3x 4x

Sample Stage

Design/ Max. sample weight Fixed Sample support 13 kg

Usable sample placement area 310 x 320 mm

Max. sample height 90 mm

Electrical Data

Power supply AC 115 V or AC 230 V 50 / 60 Hz; Max. 120 W, without evaluation PC

Protection class IP 40

Dimensions

External dimensions 40.3 x 58.8 x 36.5 cm (Width x depth x height)

Weight approx. 45 kg

Evaluation Unit

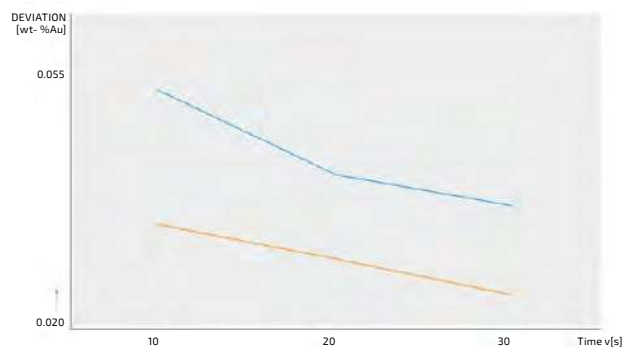
Computer Windows based PC

Software standard WinFTM® optimized for GOLDSCOPE SD, including Gold setup GOLDSCOPE with measuring applications for gold and jewelry

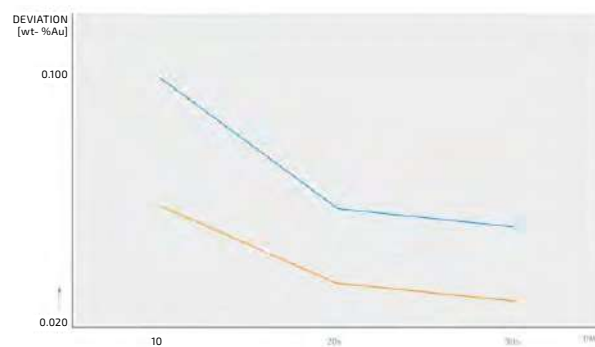


Solution for Hallmarking Centres

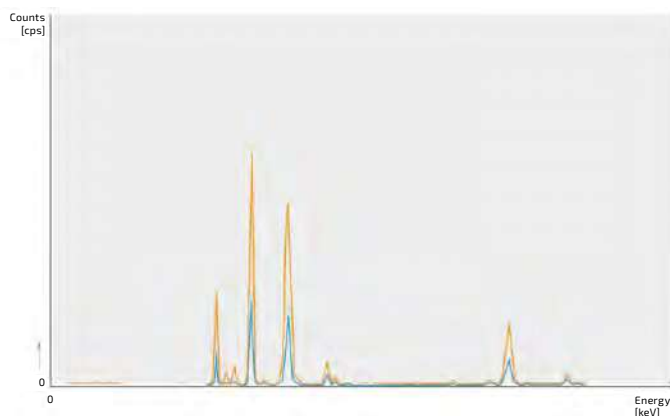
GOLDSCOPE® SD 520 and GOLDSCOPE® SD 550 devices are equipped with the new digital pulse processor DPP+ as a standard option



950 gold (23 carat): Absolute standard deviation (precision) against measurement time



585 gold (14 carat): Absolute standard deviation (precision) against measurement time



Higher count rates with very good energy resolution:
New SDD Detector with DPP+

— Old DPP
— New SDD Detector with DPP+



Fischer XAN 220

Analytical



X-Ray Source

X-ray tube	Micro-focus tungsten tube with beryllium window
High voltage, three steps (kV)	30, 40, 50
Aperture (Collimator) Ø (mm/mils)	0.6/23.6, 1.0/39, 2.0/79
Measurement spot	Aperture Ø plus 200 µm (8 mils)

X-Ray Detection

Detector type	Silicon Drift Detector (SDD), peltier-cooled
Resolution fwhm for Mn-Kα (eV)	≤ 160
Measuring distance*	0 ... 25 mm (0 ... 1 in)
Repeatability for gold	≤ 0.5 ‰ with measurement time 60 sec
Usable sample placement area (mm/in)	310 x 320 / 12.2 x 12.6
Max. sample height (mm/in)	90/3.5

Dimensions

External dimensions W x D x L (cm / in)	40.3 x 58.8 x 36.5 / 16 x 23.2 x 14.4
Weight	approx. 45 kg

Fischer XAN 250



X-Ray Source

X-ray tube	Micro-focus tungsten tube with beryllium window
High voltage, three steps (kV)	10, 30, 50
Aperture (Collimator) Ø (mm/mils)	0.2/7.9, 0.6/23.6, 1.0/39.4, 2.0/78.7;
Measurement spot* Ø (mm/mils)	approx. 0.3/11.8*

X-Ray Detection

Detector type	Silicon Drift Detector (SDD), peltier-cooled
Resolution fwhm for Mn-Kα (eV)	≤ 160
Measuring distance*	0 ... 25 mm (0 ... 1 in)
Element Range	Aluminium (13) to Uranium (92), up to 24 elements simultaneously
Usable sample placement area (mm/in)	310 x 320 / 12.2 x 12.6
Max. sample height (mm/in)	90/3.5

Dimensions

External dimensions W x D x L (cm / in)	40.3 x 58.8 x 36.5 / 16 x 23.2 x 14.4
Weight	approx. 45 kg

Explore more





Vanta 2 Element (V2EL-LT-K)

XRF Analyzer

The Vanta Element XRF analyzer provides elemental analysis for fast alloy identification and sorting at an affordable price.

Rugged, Affordable Handheld XRF

Built for demanding environments, the analyzer delivers a lower cost of ownership.

- * IP54 rated for protection against dust and moisture
- * Drop tested (MIL-STD-810G) to protect against falls and reduce the need for costly repairs
- * Rated for continuous testing from -10 °C to 45 °C (14 °F to 113 °F)
- * Stainless-steel faceplate for wear protection
- * Easy, toolless window replacement



Analytical

Specification	Vanta 2 Element (V2EL-LT-K)
Use	Affordable alloy ID
Best for	Basic analysis
Excitation Source	2W X-ray tube with 35kV tungsten anode
Primary Beam Filtration	Fixed aluminum filter wheel
Detector	Silicon drift detector (SDD)
Window	Thick Kapton window
Barometer	No
Power	Removable 14.4 V Li-ion battery or 18 V power transformer 100-240 VAC, 50-60 Hz, 70 W max
Display	800 x 480 (WVGA) LCD with capacitive touch screen
Operating Environment	Temperature: -10 °C to 45 °C (14°F to 113 °F) at 100% duty cycle; Humidity: 10% to 90% relative humidity non-condensing
Connectivity	USB, WLAN (with optional adaptor), Bluetooth (with optional adaptor)
Dimensions (W x H x D)	83 x 289 x 242 mm (3.25 x 11.4 x 9.5 in)
Weight	1.54 kg (3.39 lb) with battery, 1.32 kg (2.91 lb) without battery





Vanta 2 Element S (V2EL-SDD-E)

XRF Analyzer

Analytical



The Vanta Element XRF analyzer series provides elemental analysis for fast alloy identification and sorting at an affordable price.

Vanta 2 Element - S offer light element detection for Magnesium (Mg), Aluminium (Al), Silicon (Si), Sulphur (S), and Phosphorus (P)

Rugged, Affordable Handheld XRF

Built for demanding environments, the analyzer delivers a lower cost of ownership.

- * IP54 rated for protection against dust and moisture
- * Drop tested (MIL-STD-810G) to protect against falls and reduce the need for costly repairs
- * Rated for continuous testing from -10 °C to 45 °C (14 °F to 113 °F)
- * Stainless-steel faceplate for wear protection
- * Easy, toolless window replacement



Specification	Vanta 2 Element - S (V2EL-SDD-E)
Use	Affordable light element detection
Best for	Analyzing Mg, Al, Si, S and P
Excitation Source	4W X-ray tube with 50kV silver anode
Primary Beam Filtration	4 position filter wheel
Detector	Faster Silicon drift detector (SDD)
Window	Prolene window with Kapton mesh support
Barometer	Yes
Power	Removable 14.4 V Li-ion battery or 18 V power transformer 100-240 VAC, 50-60 Hz, 70 W max
Display	800 x 480 (WVGA) LCD with capacitive touch screen
Operating Environment	Temperature: -10 °C to 45 °C (14°F to 113 °F) at 100% duty cycle; Humidity: 10% to 90% relative humidity non-condensing
Connectivity	USB, WLAN (with optional adaptor), Bluetooth (with optional adaptor)
Dimensions (W x H x D)	83 x 289 x 242 mm (3.25 x 11.4 x 9.5 in)
Weight	1.54 kg (3.39 lb) with battery, 1.32 kg (2.91 lb) without battery

Watch Video



Explore more





Vanta Max

Handheld XRF Analyzers

The Vanta Max XRF analyzer provides fast, accurate elemental analysis and material identification anywhere.

- * Highest analytical capabilities
- * Robust analysis
- * Mining exploration
- * Mineral analysis
- * Soil testing
- * Environmental analysis

Vanta Max offers exceptional speed, durability, and smart connectivity with improved ergonomics and a streamlined interface.

Comfortable and Rugged for All-Day XRF Testing

- * Balanced handle minimizes hand fatigue
- * Secure and comfortable grip for all-day testing
- * Built to pass a 4-foot drop test (MIL-STD-810G)
- * IP55/IP54 rated for resistance to water and dust
- * Standard 3 year warranty



Analytical

Specification	Vanta Max
Excitation Source	4 W with 8–50 kV rhodium anode.
Primary Beam Filtration	8-position autoselected filter per beam per mode; optional collimation to 3 mm diameter beam spot.
Detector	Silicon drift detector (SDD) with a high-sensitivity graphene window.
Power	Removable 14.4 V Li-ion battery (with hot-swap capability on Max only) or 18 V power transformer 100–240 VAC, 50–60 Hz, 70 W max.
Display	800 × 480 (WVGA) LCD with capacitive touch screen supporting gesture control.
Aiming Camera	Optional full VGA CMOS camera
Panorama Camera	13-megapixel CMOS camera with autofocus lens (optional)
Detector Shutter	Solid detector shutter to help prevent detector damage.
IP Rating	IP54 - dust protected and protected against water splashing from all directions.
Pressure Correction	Built-in barometer for automatic altitude and air density correction
Operating Environment	Temperature: -10 °C to 50 °C (14°F to 122 °F), and continuous full duty cycle with optional fan. Humidity: 10% to 90% relative humidity non-condensing.
Connectivity	2x USB 2.0 Type-A ports for accessories such as Wi-Fi, Bluetooth, and USB flash drives. 1x USB 2.0 Type Mini-B port for connection to computer.
Dimensions (W x H x D)	104 x 296 x 241 mm (4.1 x 11.6 x 9.5 in)
Weight	11.9 kg [1.67 kg without battery]



Explore more





Vanta Core

Handheld XRF Analyzers

Analytical



The Vanta handheld XRF analyzer provides fast, accurate elemental analysis and material identification anywhere.

- * Analytical excellence
- * Faster analysis
- * Alloy identification
- * Metals analysis
- * Precious metals analysis

Vanta Core offers exceptional speed, durability, and smart connectivity with improved ergonomics and a streamlined interface.

Comfortable and Rugged for All-Day XRF Testing

- * Balanced handle minimizes hand fatigue
- * Secure and comfortable grip for all-day testing
- * Built to pass a 4-foot drop test (MIL-STD-810G)
- * IP55/IP54 rated for resistance to water and dust
- * Standard 3 year warranty



Specification	Vanta Core
Excitation Source	4 W with 8–50 kV silver, 8–40 kV rhodium, or 8–40 kV tungsten anode.
Primary Beam Filtration	8-position autoselected filter per beam per mode; optional collimation to 3 mm diameter beam spot.
Detector	Silicon drift detector (SDD) with a high-sensitivity graphene window.
Power	Removable 14.4 V Li-ion battery (with hot-swap capability on Max only) or 18 V power transformer 100–240 VAC, 50–60 Hz, 70 W max.
Display	800 × 480 (WVGA) LCD with capacitive touch screen supporting gesture control.
Aiming Camera	Optional full VGA CMOS camera
Panorama Camera	13-megapixel CMOS camera with autofocus lens (optional)
Detector Shutter	Solid detector shutter to help prevent detector damage.
IP Rating	IP55 - dust protected and protected from low-pressure water jets from all directions.
Pressure Correction	Built-in barometer for automatic altitude and air density correction
Operating Environment	Temperature: -10 °C to 50 °C (14°F to 122 °F), and continuous full duty cycle with optional fan. Humidity: 10% to 90% relative humidity non-condensing.
Connectivity	2x USB 2.0 Type-A ports for accessories such as Wi-Fi, Bluetooth, and USB flash drives. 1x USB 2.0 Type Mini-B port for connection to computer.
Dimensions (W x H x D)	104 x 296 x 241 mm (4.1 x 11.6 x 9.5 in)
Weight	1.85 kg [1.62 kg without battery]

Watch Video



Explore more



Gold/Platinum Tester GK

Precious Metal Tester



ALFA MIRAGE

Analytical



GKS-300

Capacity	0.001 - 300 g
Gold, White gold	9 - 24 K and %
Platinum	Pt600 - 1000
Silver	600 - 1000
Density	0.001 g/cm ³



GKS-3000

Capacity	0.01 - 3000 g
Gold, White gold	9 - 24 K and %
Platinum	Pt600 - 1000
Silver	600 - 1000
Density	0.01 g/cm ³



GK-300

Capacity	0.01 - 300 g
Gold, White gold	9 - 24 K and %
Density	0.01 g/cm ³



Midas Density Kit

Gold Purity Tester



- * Just two simple steps, the purity of precious metals and gold karat can be showed rapidly and accurately. No stains and scratches left on gold after testing.
- * The gold K number and density, platinum Pt value and density can be accurately measured in only 5 seconds.
- * More intuitive and more rapid to identify gold authenticity.
- * With the mixture proportion function, it can test other precious metals, such as: platinum, silver, palladium, copper, rhodium, etc.
- * Can also be used as a precision electronic balance.

	MDK 300	MDK 1200	MDK 3000
Maximum Weight	300 g	1200 g	3000 g
Minimum Weight	0.01 g	0.01 g	0.01 g
Weight Resolution	5 g	8 g	10 g
Density Resolution	0.01 g/cm ³	0.01 g/cm ³	0.01 g/cm ³
Measuring Time	5 seconds	5 seconds	5 seconds



2kg Refinery Plant

2GRP

1 Year Service + Setup Included *

Specifications

- Titanium tank - 16-24in
- PPT unit - 24/24
- Glass condenser - 14 in
- Acid storage glass tank - 6 l - 3pcs
- Acid dousing AODD pump - 1/4 in - 3pcs
- Filter trolley - 18/12 in - 2pcs
- Filter trolley AODD pump - 1/4 in - 2pcs
- 2 stage fume scrubber
- 1 hp vertical pump
- 1 hp blower



5kg Refinery Plant

5GRP

1 Year Service + Setup Included *

Specifications

- Titanium reactor
- 200ltr pp precipitation tank
- Hot plate with temperature control
- Glass condenser - 24in
- 2hp air pump
- Pp filter unit - 2pcs
- 10ft tower scrubber
- 2hp blower
- 1hp caustic soda dousing pump
- Etp plant - 500ltr
- 500ltr collection tank
- 100ltr treated water tank
- 100ltr waste sludge storage tank
- 1hp turbine blower
- Caustic soda auto dousing pump
- Carbon/Sand filter
- 150 lpm magnet pump
- Single SS fume scrubber - 6ft/12in
- 1hp / 1440 rpm blower



* T&C Apply



Explore
more

25kg Refinery Plant

25GRP

1 Year Service + Setup Included *

Specifications

Titanium tank - 30 in/24 in

Titanium sheet 3mm. grade 1

1.5 in titanium ball valve

3kW hot plate

Stand with gear box

Stand with staircase

Plc for hot plate / staring motor / acid sousing pump



Titanium Tank



PPT Unit

Specifications

Ppt unit - 900/900mm

Stand and staircase

1000 rpm motor with thirstier drive

Bottom discharge pinch valve

500 ltr. Smbs storage tank with 1/4 inch aodd pump

20inch condenser

PP filter unit - 600/600mm

1/2 inch debam (boxer-ib-50) model aodd pump

Top side acrylic cover

Specifications

Tower scrubber - 10 ft

PP caustic soda tank - 1200/1200/600 mm

PP tower - ø 600 mm/ H 2400 mm

PP pol ring - 1in/200kg

100lpm acid dousing pump

150 mm pp / 2.5 kg pipeline

PP blower 1 hp/1440 rpm / 12 in

Specifications

Tower scrubber - 18 ft

PP caustic soda tank - 1500/1500/600 mm

PP tower - ø 900 mm/ H 4500 mm

PP pol ring - 1in/360kg

150lpm acid dousing pump

150 mm pp / 2.5 kg pipeline

PP blower 3 hp/1440 rpm / 16 in



Tower Scrubber 10ft



Tower Scrubber 18ft

* T&C Apply

Analytical

Explore more



50kg Refinery Plant

50GRP



1 Year Service + Setup Included *

Specifications

Titanium tank - 30 in/36 in
Titanium sheet 3mm. grade 1
1.5 in titanium ball valve
3kW hot plate
Stand with gear box
Stand with staircase
Plc for hot plate / starting motor / acid
sousing pump
Pump (1plc for 2 tank)



Titanium Tank

Specifications

Ppt unit - 900/900mm
Stand and staircase
1000 rpm motor with thirstier drive
Bottom discharge pinch valve
500 ltr. Smbs storage tank with 1/4 inch
aodd pump
20inch condenser
PP filter unit - 600/600mm
1/2 inch ARO make aodd pump
Top side acrylic cover



PPT Unit



Tower Scrubber 10ft

Specifications

Tower scrubber - 10 ft
PP caustic soda tank - 1200/1200/600 mm
PP tower - ø 600 mm/ H 2400 mm
PP pol ring - 1in/200kg
100lpm acid dousing pump
150 mm pp / 2.5 kg pipeline
PP blower 1 hp/1440 rpm / 12 in



Tower Scrubber 18ft

Specifications

Tower scrubber - 18 ft
PP caustic soda tank - 1500/1500/600 mm
PP tower - ø 900 mm/ H 4500 mm
PP pol ring - 1in/360kg
150lpm acid dousing pump
150 mm pp / 2.5 kg pipeline
PP blower 3 hp/1440 rpm / 16 in



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* T&C Apply

100kg Refinery Plant

100GRP



Analytical

200kg Refinery Plant

200GRP

1 Year Service + Setup Included *



* T&C Apply



Fume Hood with Scrubber

The Fume Hood with Scrubber ensures worker and environmental safety by eliminating harmful fumes and gases featuring high-quality materials, a built-in scrubber, and a powerful exhaust fan for efficient air movement. Ideal for various lab applications, it offers customization, user-friendly systems, and reliable performance.

Specifications

Capacity	200 liter
Dimensions	120 x 90 x 90 cm



Cupellation Furnace



Chamber size - 6 x 6 x 12 inch
 Silicon Carbide rod - 6 pcs
 Step-down Rectifier
 6 kW single phase

Annealing Furnace



Chamber size - 6 x 6 x 12 inch
 Kanthal Wire Coil
 3 Kw single phase

Makita Drill Press



Smart UPS



1 kV online UPS

Explore
more



Midas

Electric Dust Burnout Furnaces



- * Designed to meet all dust burning requirements, including filling, setting, polishing, sweeping, and settling tank operations.
- * Heavy-grade stainless steel muffle ensures uniform heating within the chamber.
- * Equipped with versatile heating element systems to deliver consistent and effective heating.
- * Stationary dust-burning process for optimal results.
- * Overheating protection features ensure safe operation.
- * Insulated with advanced, energy-efficient materials, including durable ceramics, to conserve electricity and minimize heat loss.
- * Engineered with a unique air inlet and outlet design to enhance dust burning performance.
- * Stainless steel chimney on top of the machine enables effective fume extraction.



Specifications	DB05	DB09	DB12	DB15	DB18	DB21
Power	6	7.5	9	10.5	12	15
Phase	Single	Single	Three	Three	Three	Three
No. of tray	1	2	3	4	5	6
Tray size	10" x 15" x 4"	10" x 15" x 3.5"	10" x 15" x 3"	10" x 15" x 3"	10" x 15" x 3"	10" x 15" x 3"
Chamber size	16" x 21" x 13"	16" x 21" x 15"	16" x 21" x 17"	16" x 21" x 22"	16" x 21" x 27"	16" x 21" x 32"
Body size	30" x 28" x 20"	30" x 28" x 22"	32" x 30" x 35"	32" x 30" x 40"	32" x 30" x 45"	32" x 30" x 50"



Explore more



MU 200 Indutherm Induction Melting Units

Analytical



Flexible melting furnaces designed to melt gold and silver alloys and as well as aluminium, bronze, brass a.s.o. Due to the strong induction generator and the low induction frequency the stirring effect of the metal is excellent.

Performance	MU 200	MU 200 C
Power Max. / Electrical connection	3.5 kW 230 V or 6 kW 3x400 V	15 kW 3x400 V
Maximum Temperature	1300 °C or 1500 °C	2000 °C
Capacity		
Crucible Volume	155 cm ³ = 2.0 kg Au 18 ct	155 cm ³ = 2.5 kg Pt
for use of flasks up to	up to ø 160 mm	up to ø 160 mm
Handling + Control		
Temperature measurement by thermocouple	✓	-
Temperature Control	✓	✓
Temperature Programs	20	-
Quality Management		
RS232, Ethernet, USB Interface Diagnostic System	✓	✓
GSM Modem for Remote Service	(Optional)	(Optional)

Watch Video



Explore more



Standard - "✓" Not Available - "-"



Indutherm MU 400



Performance	MU 400 (MUV/ MUVV 400)
Power Max. / Electrical connection	10 kW, 3x400 V
Maximum Temperature	1500 °C
Capacity	
Crucible Volume	MU/MUV/MUVV 400 : 400 cm ³ = 5.0 kg Au 18 ct
for use of flasks up to	up to ø 160 mm / 400 mm h (MUV/MUVV)
Handling + Control	
Temperature measurement by thermocouple	✓
Temperature Control	✓
Temperature Programs	20
Quality Management	
Interface RS232	✓
GSM Modem	(Optional)

Standard - "✓" Not Available - "-"

Analytical

Indutherm MU 700 - 1200



MU 700

Performance	MU 700 - 1200 (MUV/ MUVV 700 - 1200)
Power Max. / Electrical connection	12 - 15 kW, 3x400 V
Maximum Temperature	1500 °C
	MU 700: 12 kW MU 900: 15 kW MU 1200: 15 kW
Capacity	
Crucible Volume	MU/MUV/MUVV 700 : 700 cm ³ = 9 kg Au 18 ct MU/MUV/MUVV 900 : 900 cm ³ = 13 kg Au 18 ct MU/MUV/MUVV 1200 : 1200 cm ³ = 18 kg Au 18 ct
for use of flasks up to	up to ø 160 mm / 400 mm h (MUV/MUVV)
Handling + Control	
Temperature measurement by thermocouple	✓
Temperature Control	✓
Temperature Programs	20
Quality Management	
Interface RS232	✓
GSM Modem	(Optional)

Standard - "✓" Not Available - "-"



Indutherm Tilting Furnaces



TF 2000/4000



TF 6000/12000

TF Series tilting furnaces are engineered for efficient, safe, and cost-effective melting and pouring of large quantities of metal. Designed with high-performance induction generators, these furnaces deliver excellent mixing of molten materials through low-frequency tuning while ensuring maximum energy efficiency and operator safety.

Key Features:

- * **High Output Power:** 25 to 60 kW depending on the model.
- * **Efficient Operation:** Optimized thermal insulation and electromagnetic shielding result in lower energy consumption.
- * **Advanced Control:** Operated through a console with a full-text LCD display and precise temperature management using thermocouples or optical pyrometers.
- * **Flexible Tilting Systems:**

TF 2000 / TF 4000: Manual tilting with a pivot lever for gentle and safe pouring.

TF 6000 / TF 12000: Motor-driven tilting controlled via joystick for sensitive and effortless handling.

Performance	TF 2000/4000	TF 6000/12000
Power Max. / Electrical connection	TF 2000 : 25 kW 3x400 V TF 4000 : 30 kW 3x400 V	TF 6000 : 40 kW, 3 x 400 V TF 12000 : 40 kW / 60 kW, 3 x 400 V
Maximum Temperature	1500 °C	1500 °C
Capacity		
Crucible Volume	TF 2000 : 2000 cm ³ = 30 kg Au 18 ct TF 4000 : 4000 cm ³ = 60 kg Au 18 ct	TF 6000 : 6000 cm ³ = 90 kg Au 18 ct TF 12000 : 12000 cm ³ = 180 kg Au 18 ct
Handling + Control		
Tilting	By lever	Motor driven (remote control)
Temperature Control	By LCD display, full text readout	By LCD display, full text readout
Temperature Programs	20	100
Quality Management		
Interface RS 232, Ethernet, USB	✓	✓
Interface, Diagnostic System		
GMS Modem	(Optional)	✓

Standard - "✓" Not Available - "-"

Explore more



Mini Melting Machine



Water Chiller

Specifications

Capacity	2 kg Gold
Power	5 kW
Power supply	220V, 1 phase 50/60 Hz
Working metals	Gold, Silver, Copper
Max temperature	1300 °C
Melting time	3 ~ 4.5 mins
Cooling water	Tap water or pure water
Dimensions (L x W x H)	58 x 33 x 30 cm
Weight	28.5 kg

5kg/10kg Medium Frequency Melting Furnace



Specifications

Capacity	5 kg/ 10 kg
Power	12 kW/ 15 kW
Power supply	380 V, $\pm 15\%$
Phase	3
Dimensions (L x W x H)	50 x 50 x 95 cm
Weight	80 kg

Watch Video



Explore more





2kg Induction Melting Machine

Specifications

Capacity	2 kg
Output	3.5 kW
Oscillate frequency	10 - 15 kHz
AC	230V $\pm 10\%$ (50/60Hz)
Crucible capacity	2 kg, Gold
Max temperature	1200 °C
Melting time	10 - 12 mins $\pm 10\%$
Cooling water	Water cooling (Water chiller)
Technology	IGBT
Voltage indication	1 Phase voltage indication with color code (Red)
Thermocouple	K-type
Electric wire STD ISI Certified	RR Cable or Finolex Cable
Heavy line internal wiring	Fiber glass heavy insulated wire
IGBT	Semikron Germany made
Modules	Semikron Germany made
Auto cut-off mode	By Temperature controller and thermocouple

Inbuilt Chiller



6kg Induction Melting Machine

Specifications

Capacity	6 kg
Output	7.5 kW
Oscillate frequency	10 - 15 kHz
AC	440V $\pm 10\%$ (50/60Hz)
Crucible capacity	6 kg, Gold
Max temperature	1200 °C
Melting time	12 - 15 mins $\pm 10\%$
Cooling water	Water cooling (Water chiller)
Technology	IGBT
Thermocouple	K-type
Electric wire STD ISI Certified	RR Cable or Finolex Cable
Heavy line internal wiring	Fiber glass heavy insulated wire
IGBT	Semikron Germany made
Modules	Semikron Germany made
Auto cut-off mode	By Temperature controller and thermocouple
MCB	Schneider France made



Water Chiller



10kg Induction Melting Machine



Analytical



The Midas induction melting machine features a number of advantages over other types of melting furnaces, including:

Faster melting times: Induction melting is a very efficient process, which means that the Midas machine can melt metal quickly. This is important for applications where time is critical, such as jewelry making.

Precise temperature control: The Midas machine has a digital temperature controller that allows you to set the exact melting temperature. This ensures that your metal is melted evenly and consistently.

Easy to use: The Midas machine is very easy to use. Simply place your metal in the crucible, set the temperature, and press the start button. The machine will do the rest.

Specifications

Capacity	10 kg
Output	12 kW
Oscillate frequency	10 - 15 kHz
AC	440V \pm 10% (50/60Hz)
Crucible capacity	10 kg, Gold
Max temperature	1200 °C
Melting time	15 - 17 mins \pm 10%
Cooling water	Water cooling (Water chiller)
Technology	IGBT
Thermocouple	K-type
Electric wire STD ISI Certified	RR Cable or Finolex Cable
Heavy line internal wiring	Fiber glass heavy insulated wire
IGBT	Semikron Germany made
Modules	Semikron Germany made
Auto cut-off mode	By Temperature controller and thermocouple
MCB	Schneider France made



Water Chiller





CXM G1/P1

Gold Bullion & Gold Ingot

Rapid Prototyping Machine

This machine can make pure gold plate, silver plate, gold ingot and silver ingot with different specification from 1 to 100 kg.

It is completely vacuum prototyping casting chamber. Crucibles are durable completely solving the problem of shrinkage, water wave and unevenness of gold plate.

The casting pieces made by this machine are even in surface without holes, oxidation and tinting.



Technical Specification

Power supply	3 phase, 380V
Power	within 15 kW
Melting time	6 - 9 minutes
Casting method	Once forming
Vacuum configuration	30 l/s
Applied materials	Gold, platinum, porpezite and pure silver
Metal capacity	1 kg - 5 kg
Applicable mold	Gold and silver plates, bars and ingots of national standard and self definition
Cooling water	Cooling water tank or cooling water machine
Dimensions	75 x 70 x 120 cm

Explore more



Optional 6P water cooler, 30L vacuum pump

Graficarbo Electric Furnaces

Electric furnace for melting precious metals
Complete with graphite crucible, graphite stirrer and clamp



	GF1100N1D	GF1100N2D	GF1100N3D	GF1100N4D
Capacity	1 kg	2 kg	3 kg	4 kg
Power	850 W	1300 W	1700 W	1800 W
Max Temperature	1120 °C	1120 °C	1120 °C	1120 °C
Power Connection	Single phase, 220 V	Single phase, 220 V	Single phase, 220 V	Single phase, 220 V



Graficarbo Gas Furnaces



Blast furnace P2, with forced air/gas burner, efficient thermal insulation ceramic fiber.
Available with LPG or natural gas burner, equipped with single or three phase electric fan.

	GF502	GF510	GF511	GF512
Capacity, Au	5 kg	8 kg	15 kg	35 kg
Weight	20 kg	50 kg	60 kg	80 kg
Dimensions	23 x 23 x 32 cm	32 x 32 x 50 cm	32 x 32 x 78 cm	35 x 35 x 87 cm



Duravel Melting Furnace

DURAVEL

- * Certificated CE
- * 1150 °C
- * Digital electronic system
- * Type K thermocouple
- * Patented system to replace heating element in 3 minutes
- * Very durable and easy to repair



Capacity, Au	Volt	Power	Max. temperature	Dimensions L x D x H	Weight
1 kg	220V/50H 110V/60Hz	0.7 kW	1150 °C	34 x 22 x 34 cm	7 kg
2 kg	220V/50H 110V/60Hz	1.1 kW	1150 °C	34 x 22 x 38 cm	8 kg
4 kg	220V/50H 110V/60Hz	1.1 kW	1150 °C	34 x 22 x 38 cm	8 kg

Lion Melting Furnace

Lion
GOLD SMITH



Specifications	EM - I 1	EM - I 2
Capacity	1.000 kg	2.000 kg
Temperature control	0 - 1200 °C	0 - 1200 °C
Display	Dual	Dual
Power consumption	950 W	1200 W
Input power	220 V	220 V
Dimension	26 x 25 x 44 cm	28 x 28 x 46 cm
Machine weight	9.0 kg	11.0 kg

Specifications	EM - G 1	EM - G 2
Capacity	1.000 kg	2.000 kg
Temperature control	0 - 1200 °C	0 - 1200 °C
Display	Dual	Dual
Power consumption	950 W	1200 W
Input power	220 V	220 V
Dimension	37 x 21 x 30 cm	53 x 43 x 78 cm
Machine weight	15.0 kg	20.0 kg

Midas Melting Crucibles



M-1/0 - 100g
Melting Crucible



M-3/0 - 300g
Melting Crucible



M-1 - 1kg
Melting Crucible



M-1.5 - 1.5kg
Melting Crucible



M-2 - 2kg
Melting Crucible



M-3 - 3kg
Melting Crucible



M-4 - 4kg
Melting Crucible



M-5 - 5kg
Melting Crucible



M-10 - 10kg
Melting Crucible



M-12 - 12kg
Melting Crucible



EX-1601
Melting Crucible

Melting Consumables



Graphite Crucibles



Salamander Crucibles



Crucibles for
MU 400/200/700/900/1200



F4/F3/F5/F9
Crucibles



Crucible Tongs



Crucible Shield



Crucible bottom
insulation



Crucible Shield Ring



Crucible Cover



Thermocouples



Melting Gloves



PD240CB

The PD240CB is a handheld metal detector that combines high reliability and ergonomics with advanced detection and operator signalling features. Long detection range for weapons and minimum metal targets, effective sensitivity to all alloys exceeds the latest security standards and has high immunity to external metal masses.

Analytical



PD240

The PD240 is a handheld metal detector that combines high reliability and ergonomics with advanced detection and operator signalling features. Effective sensitivity to all metals, full compliance with the latest security standards and has high immunity to external metal masses are among the main peculiarities of this device.



Explore more





GARRETT

Garret Super Scanner V

The Garrett Super Scanner is the most recognized hand-held metal detector in the world.

Originally designed for use at the 1984 Olympic Games, and continually updated to meet evolving metal detection needs.

Ultimate sensitivity: Exceeds NIJ 0602.02 standard

- * Detects medium sized pistol from 9" distance
- * Large knife from 6" distance
- * Box cutters from 5" distance
- * Handcuff key from 4" distance
- * Razor blades from 3" distance
- * 22-caliber long rifle cartridge from 2" distance
- * Foil-wrapped drugs and tiny jewellery from 1" distance

All metal detection

Detects ferrous, non-ferrous and stainless steel weapons, contraband, and other metallic objects.

Self Calibrating

Large 203 mm (8") scan surface

Sharp audible alarm and bright red LED

Rugged, high impact ABS case



Specifications

Three color LED indication	Green LED = On Amber LED = Low Battery Red LED = Alarm
Operating temperatures	-37 °C (-35 °F) to 70 °C (158 °F)
Humidity	to 95% non condensing
Audio frequency	2 kHz warble
Tuning	Automatic
Width x Thickness x Length	8.3 x 4.1 x 42 cm (3.25" x 1.625" x 16.5")
Total weight	500 g (17.6 oz)
U.S Trademarks	1,754,933 and 3,236,345
Battery requirements	One 9V (included)
Warranty	2 Years, Limited parts/labour



Accessories (Sold separately)



Rechargeable battery kit



Earphone



Leather belt loop harness



Belt Holder

Explore more





RapidShape PRO 20

Professional 3D Printer

The Rapidshape PRO20 is a high-performance DLP 3D printer tailored for professional jewelry manufacturing.

It offers exceptional print speed, precision, and repeatability, making it ideal for producing casting models, master patterns, and prototypes.

With its open material system, the PRO20 provides flexibility for using various resins, while its fully automated operation—featuring resin refill, job queueing, and separation module—ensures efficiency and ease of use.

The compact yet industrial-grade design makes it suitable for continuous production in demanding jewelry workshops.



Open System



Regular or Large
version



User friendly

New



Machinery

Technical Specifications	PRO 20
Technology	Digital Light Processing (DLP)
Building Volume (WxDxH)	W 133 x D 75 x H 115 mm
Native Pixel	± 34 µm
Wavelength	385 nm
Resolution	Full HD (1920 x 1080 px)
Connections	Ethernet, WLAN, USB
Control	7" touch screen
Dimensions (WxDxH)	33.4 x 35.7 x 54.4 cm
Weight	27 kg



Explore
more





RapidShape S30+

Semi-automated 3D Printer



Fast, flexible and semi automated: The workhorse for casting shops, design offices and jewellery manufacturers.

Greater efficiency for professional print results – the S30+ ease of use and intuitive user interface allow fast, high volume print results with consistent quality. The optional automated part separation module (ASM, patents pending) enables cutting of parts without manual operation. Furthermore, the temperature-controlled resin reservoir provides process stability and improves part quality even more at maximum speed.



Automatic Separation Module [ASM]
(Optional)



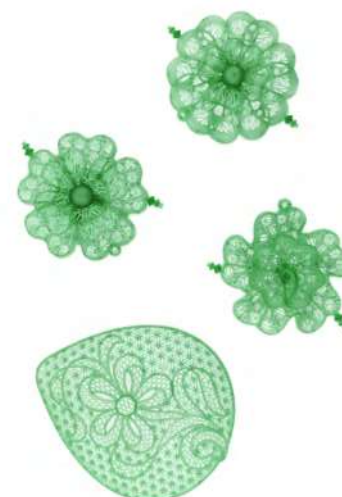
Designed for volume
production



User friendly

- * Large touch-screen
- * Resin handling system (RHS)
- * Remote control through TeamViewer®
- * Resin temperature control
- * Certified auto calibration (ACCS)
- * Knowledge Center Access

Technical Specifications	S30+ Large
Technology	Digital Light Processing (DLP)
Building Volume (WxDxH)	133 x 75 x 155 mm 151 x 75 x 70 mm (with ASM active)
Native Pixel	± 34 µm
Wavelength	385 nm
Resolution	Full HD (1920 x 1080 px)
Connections	Ethernet, WLAN, USB
Control	10" touch screen
Dimensions (WxDxH)	48 x 41 x 69 cm
Weight	40 kg
Recommended for	Larger pieces like bangles and statues with large surfaces



Explore
more





RapidShape S50+

For Professional Manufacturing



The S50+ is our new workhorse for printing any indication. With a print range three times larger than the S30+ and the optional, patented separation unit, you can catapult the number of pieces per day many times over.

Your printed parts are automatically separated from the build platform after printing is finished and collected in a big collection basket. The next print job is then started immediately, without manual intervention.

An Automated Refill unit ensures that there is always a sufficient level of printing material in the reservoir.



Automatic Resin Refill Unit

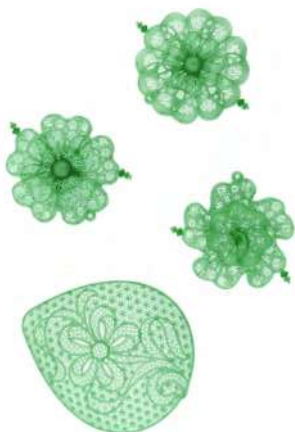


Open System



Automatic Separation Module (ASM)

- * Automatic Separation Module (ASM)*
- * Resin temperature control
- * Automatic door opener
- * Material identification (RFID)
- * Certified auto calibration (ACCS)
- * Integrated force feedback



S50+/S50+ ASM

Building Area	231 x 130 mm
Native Pixel	± 30 µm
Max. Part Height	300 mm (with ASM : 80 mm)
Light Source	405 nm LED
Resolution	4K
Dimensions (WxDxH)	60 x 57 x 166 cm
Connections	WLAN, Ethernet, USB
Control	10" LCD display, touch-screen

*Available both with and without Automatic Separation Module (ASM)

Explore more





RapidShape S90+ Standalone

A true industrial printer designed for 24/7 production under 100% load, whether for filigree or large jewellery designs.

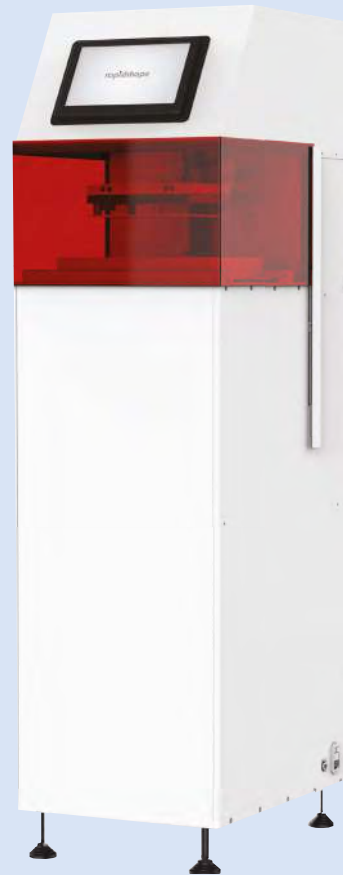
The patented force feedback technology enables the highest production rate with the lowest production costs per part and without compromising quality. Modular high performance sub-systems including a dual-circuit cooling system with heat exchanger ensure optimal operation.



Industrial
Continuous Manufacturing



Lowest cost
per parts



- * Optional automatic resin refill
- * Connection to process.net database system
- * AC controlled interior for continuous use

- * Remote control by TeamViewer®
- * Certified auto calibration (ACCS)
- * Web browser access

S90+ Standalone

Building Area	231.5 x 137.3 mm
Native pixel	± 22.5 µm
Max. part height	125 mm
Light source	405 nm ultra high UV LED
Resolution	2560 x 1520 px
Dimensions (WxDxH)	44.3 x 62.5 x 159.3 cm
Connections	TCP/IP, USB
Control	10" LCD display, touch control



Explore
more





RapidShape S90+ Cabinet



A true industrial printer designed for 24/7 production under 100% load, whether for filigree or large jewellery designs.

The patented force feedback technology enables the highest production rate with the lowest production costs per part and without compromising quality. Modular high performance sub-systems including a dual-circuit cooling system with heat exchanger ensure optimal operation.



Automatic Separation Module (ASM)

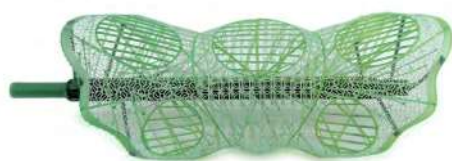


Optional with cabinet or conveyor belt



Industrial Continuous Manufacturing

- * Automatic Separation Module (ASM)
- * Optional automatic resin refill
- * Ultra high 4K resolution projector
- * Connection to process.net database system
- * AC controlled interior for continuous use
- * Remote control by TeamViewer®
- * Certified auto calibration (ACCS)
- * Web browser access



S90+ Standalone

Building Area	232 x 137 mm
Native pixel	± 22.5 µm
Max. part height	80 mm
Light source	405 nm ultra high UV LED
Resolution	2560 x 1520 px
Dimensions (WxDxH)	62.5 x 80 x 159.3 cm
Connections	TCP/IP, USB
Control	10" LCD display, touch control
Versions	Standalone Conveyor (Specifications on request)

Explore more



Midas D136

LCD 3D Resin Printer

13.6" 7K Large Printing Size Professional 3D Printer

Pionext D136 is designed for high-precision printing of models and other objects. It features a large printing size of 298x165x300mm. A high resolution of 6480x3600 pixels, and an XY axis accuracy of 0.046mm.

The printer uses an integrated light source, which results in high-quality prints with smooth surfaces and fine details.

The Pionext D136 is a versatile printer that can be used for a variety of applications. It is also relatively easy to use, making it a good choice for both beginners and experienced users.



13.6" 7K monochrome screen



XY axis accuracy 46 μ m



Stable Z-axis structure



Extra large print size

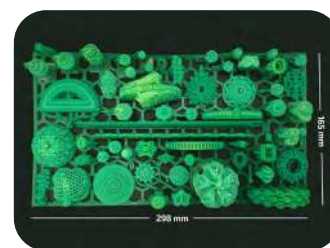


Self-developed LCD technology



High speed release film

Product Specifications	D136
Light source configuration	UV integrated lamp beads (wavelength 405 nm)
Resolution	7K 13.6" black and white screen (6480 x 3600 px)
Print size	298 x 165 x 300 mm
Overall size	48 x 37.6 x 77 cm
Slicing software	PioNext Box
Slice format	STL, OBJ
Printing speed	1 ~ 4 s/layer
Lifting speed	60 - 300 mm/min
Print layer thickness	0.01 - 0.1 mm
Touchscreen	5" capacitive touchscreen
Support consumables	405nm photosensitive resin, compatible with third-party resin
Z - axis type	Double linear guide + ball screw
Voltage	100 - 240 V AC, 50/60 Hz
Current	4 - 5 A
Power	500 W





Midas DJ89 PLUS

8K LCD 3D Printer

New

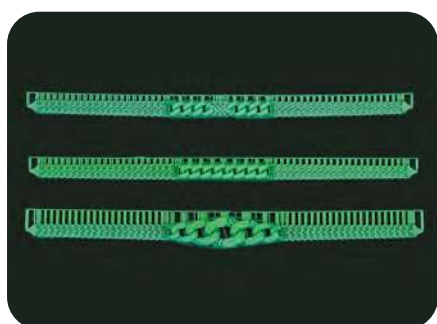
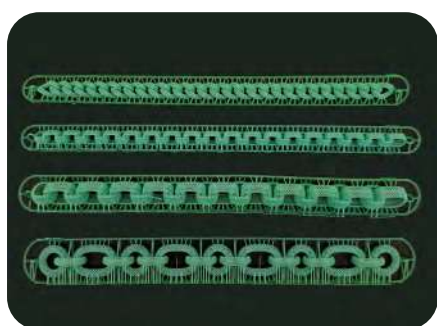


The DJ89 PLUS is a high-precision 3D printer tailored for the jewelry industry, offering advanced features that streamline the production of intricate designs.

Features

- * **8K LCD Display** - Equipped with a 10.3inch 8K monochrome LCD screen, the DJ89 PLUS delivers exceptional detail with a 29μm pixel size, capturing the fine details essential in jewelry design.
- * **Uniform Light Source** - Utilizing an integral light source, it achieves up to 95% light uniformity, ensuring consistent curing and high-quality prints.
- * **Chamber Heating** - The printer maintains a chamber temperature between 20–35°C, optimizing resin viscosity and reducing print imperfections.
- * **Stable Z-Axis Mechanism** - Featuring dual linear guide rails and a precision ball screw, it ensures smooth vertical movements, enhancing surface finish and accuracy.
- * **User-Friendly Interface** - Designed for ease of use, it supports automatic levelling and feeding, making it accessible for both novices and professionals.

Machinery



Product Specifications	DJ89 PLUS
Molding tech	LCD
Printing size	228 x 128 x 100 mm
XY axis accuracy	29 μm
Print speed	60 mm/h
Print layer thickness	0.01 - 0.1 mm
Printing screen	10.3 inch, 8K monochrome
Resolution	7680 x 4320 px
Z-axis type	Double linear guide + ball screw
LCD Screen life	2000 hours
Anti-aliasing	8 times anti-aliasing
Automatic levelling	Supported
Automatic feeding	Supported
Molding chamber heating	Temperature range 20 - 35 °C
Slicer software	PioCreat Box
Machine size	45 x 29 x 50 cm
Power requirements	AC 100 - 240 V

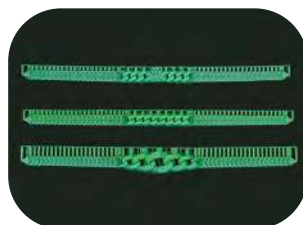
Explore more



Harshad Emerald Green Resin

Direct Cast Resin

- * Ideal for 18k, 21k, 22k
- * Ultra smooth
- * Heavy pieces
- * 405nm
- * For DPL & LCD



HAR LED - Curing Box

Automatically cure your SLA, DLP, or LCD 3D prints with HAR LED.

The post curing process increases the hardness and durability of the printed products.

Technical Specifications

Light source	UV
Power	200 W
Voltage	24 V
Wavelength	405 nm
Emitting area (LxWxH)	320 x 200 x 200 mm
Touch screen display (LxW)	57.6 x 43.2 mm
Fan size (LxWxH)	85 x 85 x 10 mm
Perspective screen (LxW)	150 x 60 mm
Bulb warranty	2000 hours
Dimensions (LxWxH)	43 x 30 x 35 cm
Net weight	14.5 kg
Certification	CE, FCC
Usage	Curing print model



Explore more



PL3000

3D Wax Printer



PLEMPIRE
PLEMPIRE 3D TECHNOLOGY CO.,LTD

New



PLEMPIRE PL3000 is an advanced 3D wax pattern printer for jewelry, featuring MultiJet Printing (MJP) technology for larger build volumes and faster batch printing. With layer thickness of 8 μ m, 16 μ m, or 32 μ m, it produces ultra-fine, high-precision wax models with sharp edges and crisp details.

Its high resolution and accuracy deliver excellent surface quality, reducing finishing and polishing labor. Ideal for mass customization, the PL3000 enhances casting efficiency and shortens product launch cycles.

3 Print Heads

Increased production volume

Large Build Volume

W 294 x D 212 x H 150 mm

High Resolution

up to 1200 x 1200 x 1600 DPI, 16 μ layers

High Contrast

Deep purple(YHK601) molding wax
white support wax(YHK-102)

Simple Operation

Easy to learn



Product Specifications	PL3000
Build volume (X Y Z)	294 x 212 x 150 mm
Resolution (X Y Z)	1200 x 1200 x 1600 DPI, (3200dpi 8 μ / 1600dpi 16 μ / 800dpi 32 μ)
Accuracy	± 0.08 mm per 20 mm part dimension
Build Speed (mm/hr) in Z	7.6 mm/hr
File format	STL, SLC, OBJ
Material package	build 3kg/bottle, support 3.6kg/bottle
Dimensions (W x D x H)	1310 x 770 x 1670 mm
Weight	Net: 480 kg, Gross: 630 kg
Voltage & Current	220 - 240 V AC, 50/60 Hz, 15A
Input/Output	220 - 240 V AC, 50 Hz, 10 A Single C14 socket



Explore more



PL2000 Plus

3D Wax Printer

The PLEMPIRE PL2000 Plus wax printers are ideal for mass-producing jewelry with high precision and efficiency.

Using MultiJet Printing (MJP) technology, they print ultra-fine wax workpieces with a layer thickness of just 0.016mm. This results in excellent surface quality, fine details, and fast workflows, allowing large batch customization and direct casting to enhance production efficiency.

PL2000 Plus offers 30% higher production rate than its predecessor.

High Resolution

up to 1200 x 1200 x 1600 DPI, 16μ layers

High Contrast

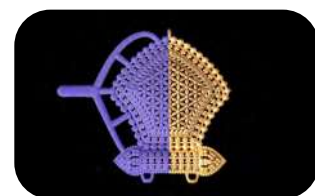
Deep purple(YHK601) molding wax
white support wax(YHK-102)

Simple Operation

Easy to learn



PLEMPIRE
PLEMPIRE 3D TECHNOLOGY CO.,LTD



Product Specifications	PL2000 Plus
Build volume (X Y Z)	294 x 212 x 150 mm
Resolution (X Y Z)	1200 x 1200 x 1600 DPI, 16μ layers
Accuracy	±0.1016 mm per 25.4 mm part dimension
Build Speed (mm/hr) in Z	1 lane : 7.50 mm/hr 2 Lane : 3.50 mm/hr 3 lane : 2.40 mm/hr
Build Speed (hr/mm) in Z	1 lane : 0.13 hr/mm 2 Lane : 0.29 hr/mm 3 lane : 0.42 hr/mm
File format	STL, SLC, OBJ, AMF, MJPDDD
Material package	1.2 kg build, 1.35 kg support bottles: maximum machine capacity - 2 builds & 2 bottles
Dimensions (W x D x H)	127.2 x 78 x 121 cm
Weight	Net: 350 kg, Gross: 510 kg
Voltage & Current	220 - 240 V AC, 50/60 Hz, 15A
Input/Output	220 - 240 V AC, 50 Hz, 10 A Single C14 socket

Explore more



Wax Cleaner



Harshad
GROUP
Jewellery Tools | Machinery | Packaging | Display

Machinery



Product Specifications		
Electricity	220 V, 50-60 Hz	
Power	3 kW	
Weight	85 kg	
Dimensions (L x W x D)	90 x 85 x 115 cm	
Content	Heater number - 3 Mixer quantity - 3 Pump number - 3 Filter number - 3	Basket number - 3 Sieve number - 5 Dryer step - 1

Explore
more



Usage: It's used to dissociate the wax paper extracted from the print with alcohol.

Solvent Reclaiming Units



K10



K16



K30



K60

This distiller is recommended for the recovery of small quantities of exhausted solvent (IPA). It allows you to significantly reduce waste and costs. Simply set the time and temperature to start a distillation cycle.

Features

- * Automatic operation
- * Vacuum distillation
- * Analogue programming

	K10	K16	K30	K60
Loading Volume	30 liter	55 liter	110 liter	200 liter



MasterInject MJ 01

Single Workstation



Watch
Video



MJ-01 SMART

Standard wax injector with single right station for single operator, equipped with aluminium tank (capacity of 4.5 kg), 25 cm³ piston injection system, external and removable 7 "touch screen , RFID reader and writer (optional), self-centering clamp C13 (Dim. 130x120 x50 / 65 mm) and pump included VAP14.

MJ 01

System Pressure	6 Bar
Power	240 V AC/ 120 V AC(Optional)
Dimensions (W x D x H)	Machine : 55 x 32 x 45 cm Packing : 65 x 55 x 65 cm
Weight	Machine : 30 kg Packing : 54 kg

MasterInject MJ 02

Double Workstation



Explore
more



MJ-02 SMART

Standard double-station wax injector for single or double operator, equipped with;

- * Aluminium tank (capacity of 4.5 kg)
- * 2 x 25 cm³ injection pistons
- * 2 x external and removable 7-inch touch screens
- * 2 x RFID readers and writers (optional)
- * 2 x C13 self-centering pliers (Size 130x120x50/65 mm)
- * Pump included VAP14

MJ 02

System Pressure	6 Bar
Power	240 V AC/ 120 V AC(Optional)
Dimensions (W x D x H)	Machine : 92 x 34 x 48 cm Packing : 115 x 55 x 65 cm
Weight	Machine : 46 kg Packing : 75 kg

MasterInject MI 03

Automatic Wax Injector



Features MI-03 SMART

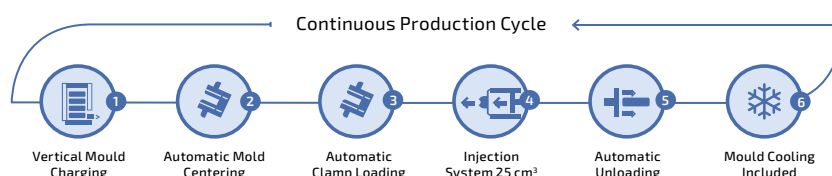
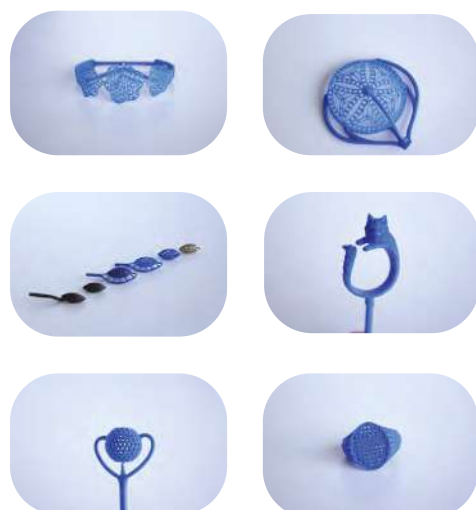
Fully automatic wax injector for single or double operator, equipped with aluminum tank (4.5 kg capacity), 10 cm³ piston injection system, 7" touch screen, RFID reader and writer, self-centering pliers (Dim. 100x100x50 mm) automatic tire loader and unloader (Dim. 100x100 mm), cooling system for molds and pump included VAP14.

Technical Advantages

- * The molds, even of different sizes, are automatically loaded into the gripper, the processing cycle starts automatically. The operator does not have to press any keys. Quick and simple
- * The gripper centers the mold preparing it for injection. The mold parameters are set or automatically read on the RFID Tag, if present in the mold. Significant time savings.
- * The mold is automatically injected according to the set parameters. Easy for the operator
- * The mold is rotated and automatically discharged onto the cooler in front of the operator. Immediate and compact
- * The cooler keeps the temperature of the molds constant, speeding up the cooling of the waxes. The cooler temperature can be set and adjusted directly from the touch screen.

Economic Advantages

- * Elimination of waiting times and consequent reduction of operator downtime. Increase in production
- * Strong increase in production, quality of models produced, elimination of waste.
- * Recommended for inexperienced operators.



MI 03

System Pressure	6 Bar
Power	240 V AC/ 120 V AC(Optional)
Dimensions (W x D x H)	Machine : 96 x 65 x 45 cm Packing : 115 x 80 x 85 cm
Weight	Machine : 44 kg Packing : 83 kg



MasterInject Manual Wax Injectors



- * 2 kg aluminium tank.
- * Stainless steel cover.
- * 4.3" touch display
- * Possibility to save up to 3 programs.
- * Digital electronic pressure & temperature regulator.

JMV-1



Designed for comfort and continuous production of up to 100-150 pieces per day.

JMV-1

Pressure	2 Bar
Dimensions (W x D x H)	Machine : 44 x 23 x 38 cm Packing : 45 x 45 x 45 cm
Weight	Machine : 11 kg

JMO-1



Horizontal injection station for comfortable operation, handling molds of all sizes.

JMO-1

Dimensions (W x D x H)	Machine : 44 x 23 x 38 cm Packing : 45 x 45 x 45 cm
Weight	Machine : 11 kg

MasterInject Vulcanizers



VLC-180

The Masterix VLC 180 is a reliable vulcanizer for precision jewelry molding. It ensures uniform rubber curing and operates without a vacuum pump, making it a cost-effective choice.

JMO-1

Voltage	240 V AC / 120 V AC	
Pressure	6 - 10 bar	
Dimensions (W x D x H)	Machine : 34 x 45 x 52 cm	Packing : 75 x 55 x 65 cm
Weight	Machine : 42 kg	Packing : 66 kg

CSV-30



JMV-1

Voltage	240 V AC / 120 V AC
Dimensions (W x D x H)	Machine : 34 x 46 x 43 cm Packing : 58 x 48 x 50 cm
Weight	Machine : 15 kg

CSV-20



JMV-1

Voltage	240 V AC / 120 V AC
Dimensions (W x D x H)	Machine : 23 x 30 x 32 cm Packing : 40 x 40 x 40 cm
Weight	Machine : 6 kg

Explore more



Accessories for Injectors



C 13 Clamp
Plate size 130x120x45/65 mm



C 15 Clamp
Plate size 150x130x55/70 mm



C 20 Smart Clamp
Plate size 200x150x65/75 mm



C 25 Clamp
Plate size 250x200x85 mm



S25 Piston
25cm³ injection piston



S100 Piston
130 cm³ Injection piston



SL-03+ Slide
Plate size 130x120x45/65 mm



**Conical / Hemispherical /
Rounded Cone Nozzles**



VAP 14 pump



VAP 18 pump



RFID Tags & Reader



Frames

Coolers for Moulds

Cooler CO-04D



Cooler CO-04D

Dimensions (L x W x H)	400 x 210 x 80 mm
Plate Dimensions	400 x 100 mm
Weight	4 kg

Cooler CO-06D



Cooler CO-06D

Dimensions (L x W x H)	600 x 210 x 80 mm
Plate Dimensions	600 x 120 mm
Weight	5 kg



Explore
more

Eshin Wax Injector



* Simple design and easy operation

With the touch panel attached, the operation is easy to understand compared to the conventional model. With VWI and DAC integrated, the design is simple compared to conventional model.

* Vacuum control system

Vacuum control makes it possible to adjust the air bubble on the wax surface.

* Height adjustment system

The clamp can be easily adjusted by turning the handle by hand, so that the nozzle can be fitted in to rubber mold hole.

* Memory 3000 memory

Specifications

Power supply	Japan and US :single phase AC 100/ 115 V±10%, 50/60 Hz Foreign countries excluding US:single phase AC 230 V±10%, 50/60Hz		
Air supply source	0.40 ~ 0.70 MPa/ pressure gauge: 0 ~ 0.2 MPa (0 ~ 2 kgf/cm2)		
Clamp option	Rubber mold size (max)	Normal	80(W) x 90(D) x 40(H)
		Multi	160(W) x 162(D) x 85 (H)
Temperature setting range wax tank and nozzle	40.0 ~ 90.0°C (103 ~ 193 °F)		
Setting range of primary pressure	10 ~ 300 kPa		
Vacuum timer setting range	0 ~ 999.99 seconds		
Vacuum setting range	-50 ~ -100 kPa		
Clamp pressure setting range	30 ~ 350 kPa		
Wax capacity	Around 3 kg		
Heating timer	Calendar system		
External dimensions (WxDxH)	45 x 31 x 45 cm		
Weight	around 25 kg		



Auto align clamp



Multi clamp



Normal clamp

Explore more



CIMO Investment Mixers

**CIMO**

ST. LOUIS 92 - 4KG

St. Louis 92 - 4KG

Max. Powder Capacity	4 kg
Max. Flask Size	ø 150 mm, h 200 mm
Voltage	220 V, Single Phase (110V on request)
Vacuum Pump	12 CFM
Dimensions (W x D x H)	28 x 35 x 95 cm
Weight	21 kg



St. Louis 82 - 6KG

Vacuum investment mixer for multiple flask filling in one single process.

St. Louis 82 - 6KG

Investment Capacity	6 kg
Max. Flask Size	ø 280 mm, h 200 mm
Voltage	220 V, Single Phase
Power	2000 W
Motor Power	280 W
Vacuum Pump	25 CFM
Dimensions (WxDxH)	42 x 42 x 175 cm
Weight	98 kg
Packaging Dimensions	59 x 96 x 124 cm
Packaging Weight	125 kg



St. Louis 2000 - 14KG

St. Louis 2000 - 14 kg

Investment Capacity	14 kg
Investing Flask	Multiple
Max. Flask Height	350 mm
Flask Plate Diameter	330 mm
Voltage	220 V
Power	2500 W
Vacuum Pump	Included, 40 CFM
Dimensions (WxDxH)	62 x 66 x 172 cm
Weight	150 kg

[Explore more](#)

St. Louis 2000 - 22KG

St. Louis 2000 - 22KG

Investment Capacity	22 kg
Flask Processing	Multiple
Max. Flask Height	400 mm
Flask Plate Diameter	450 mm
Voltage	220 V, Single Phase; 380 V, Three Phase(Pump)
Power	2500 W
Vacuum Pump	Included, 40 CFM
Dimensions (WxDxH)	72 x 80 x 175 cm
Weight	150 kg
Packaging Dimensions	82 x 82 x 190 cm
Packaging Weight	205 kg



St. Louis 2002 - 22KG Automatic

St. Louis 2002 - 22KG Automatic

Investment Capacity	22 kg
Flask Processing	Multiple
Max. Flask Height	400 mm
Flask Plate Diameter	450 mm
Voltage	220 V, Single Phase; 380 V, Three Phase(Pump)
Power	2500 W + 1000 W
Vacuum Pump	Included, 40 CFM
Dimensions (WxDxH)	72 x 80 x 172 cm
Weight	150 kg
Packaging Dimensions	82 x 82 x 190 cm
Packaging Weight	280 kg



Accessories



Chambers and mixers for Mini mix, 92-2, 92-4, 82-6, 2000-14, 2000-22, 2002-14 & 2002-22



Kit O-ring

Vacuum filter 92

Vacuum filter 82

Water filter 2000

Vacuum filter 2000

Spring

Valve





Midas Investment Mixer

5 Flask 12kg / 6 Flask 16kg



Investment Mixer designed to prepare flawless flask surfaces for jewelry casting with minimal filing loss.

- * Mixing and flask chambers made from high-grade, corrosion-resistant steel for durability.
- * Specially designed mixing blade produces smooth, lump-free slurry.
- * Equipped with a Busch Vacuum Pump for reliable, long-lasting vacuum performance.
- * Ensures perfect vacuum during both mixing and pouring of investment powder.



Specifications	5 flask 12kg	6 flask 16kg
Powder capacity	12 kg	16 kg
No. of flask	5	6
Flask dimensions	100 x 300 mm	100 x 300 mm
Vacuum pump	Busch 40 M ³	Busch 40 M ³
Power	3 kW	3 kW
Voltage	3 phase, 440V / 50Hz	
External Dimensions	101.5 x 55 x 135.5 cm	
Weight	170 kg	



Explore more



Argenta APE 800

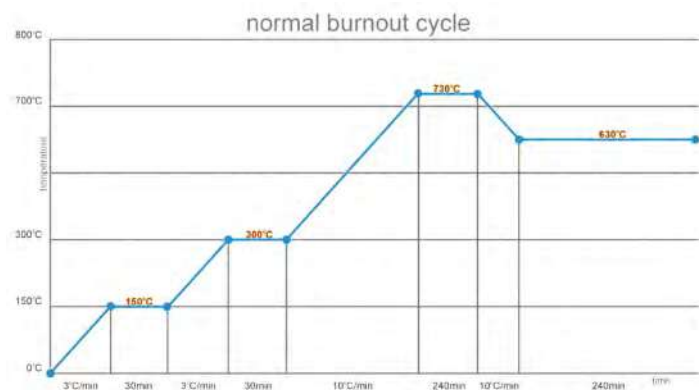
Temperature Controlled Burnout Furnace

New



The furnace is used for heating the foundry cuvettes in the program specified by the producers of casting masses. Thermal insulation is made of ecological aluminosilicate fiber. The furnace is factory-equipped with a programmer, ensuring the implementation of two different programs, sixteen cycles each, with the possibility of setting the temperature of the cycle, its duration and temperature increase over time. It is possible to start the casting program with a delay. By default, on the first program, the stove is set to the popular 12-hour heat-up program. The program of the controller also ensures the execution of the program according to the entered assumptions, even in the event of a power failure and re-connection.

Machinery



Specifications

Rated Voltage	220 - 240 V / 50 - 60 Hz
Rated Power	2400 W
Temperature	800°C
Adjustable Temperature Rise	1 - 10 °C/min
Number of Casting Programs	2
Number of Episodes in Program	16
Maximum Program Delay	40 days
Dimensions (Casting Chamber)	37 x 41 x 27 cm
External Dimensions (WxDxH)	70 x 64 x 53 cm
Weight	43 kg

Explore more



Kaname RBF

Small

Maximum Burning Temperature: 950 °C

Optimum for casting of gold, silver and platinum.

Minimization of Uneven Burning of Molds

Uniform temperature distribution inside the rotary electric furnace minimizes uneven burning of the molds.

Minimization of Pollution and Odor Caused by Smoke

The afterburner with a unique burning system re-burns smoke inside the furnace, thus minimizing pollution and odor caused by smoke.

Compact Size

Suitable for multi-product and small lot production.

Overheat Prevention Device

If set temperature is exceeded, the power is automatically turned off.



Specifications

Power supply	AC 220 V $\pm 10\%$, Single phase
Power consumption	6 kVA
Temperature setting range	0 ~ 950 °C
Temperature display range	0 ~ 1200 °C
Furnace temperature control accuracy	Set temperature ± 2 °C (under stable conditions at 100 ~ 950 °C)
Afterburner	No temperature control Step 1 ~ 3 : automatic operation Step 4 ~ : possible to set ON/OFF
Temperature display accuracy	± 5 °C at 0 ~ 1000 °C
Indication of rotational position of rotary tables	Position 1 ~ 18
Operation steps	9 steps (Step 1 ~ 9)
Number of memories	20 (Memories 0 ~ 19)
Maximum height of flask	230 mm
Number of flask	$\phi 100\text{mm}$ - 13, $\phi 89\text{mm}$ - 15, $\phi 76\text{mm}$ - 19
Ext. Dimensions (W x D x H)	89.5 x 70.8 x 198.4 cm
Weight	About 220 kg



Explore more



Kaname RBF Medium (2-Door)

**EISHIN**

Maximum Operating Temperature : 950 °C

Perfect for casting stone in place, gold, silver, platinum and also compatible for resin casting.

Separate Door for Upper and Lower sections

Reduced the cooling of the mold by 68% (at 600 degrees) making it possible to control the temperature of the mold more accurately during casting.

Minimization of Pollution and Odor Caused by Smoke

The afterburner with a unique burning system re-burns smoke inside the furnace, thus minimizing pollution and odor caused by smoke.

Separate thermocouples for upper and lower tables

Monitor the upper and lower mold temperatures.

Specifications

Power supply	AC 380 V (AC 220 V) $\pm 10\%$, (15 kVA) 50/60 Hz
Power consumption	Main heater : 13.3 kVA (380 V) Afterburner : 3.7 kVA (380 V)
Temperature setting range	0 ~ 950 °C (32 ~ 1742 °F)
Minimum temperature display unit	1 °C (2 °F)
Rotational position of rotary tables	1 ~ 96 positions
Operation steps	12 steps
Number of memories	20 memories
Maximum height of flask	230 mm (9")
Number of flask	230mm (9") x $\phi 100$ mm (3.9") - 21 flasks 230mm (9") x $\phi 80$ mm (3.1") - 35 flasks
Ext. Dimensions (W x D x H)	102 x 88 x 183.3 cm
Weight	About 350 kg (771 lb)

Explore
more



Kaname RBF

Large (2-Door)

Maximum Operating Temperature : 850 °C

Perfect for casting stone in place, gold, silver, platinum and also compatible for resin casting.

Separate Door for Upper and Lower Sections

Reduced the cooling of the mold by 68% (at 600 degrees) making it possible to control the temperature of the mold more accurately during casting.

Minimization of Pollution and Odor Caused by Smoke

The afterburner with a unique burning system re-burns smoke inside the furnace, thus minimizing pollution and odor caused by smoke.

Separate Thermocouples for Upper and Lower Tables

Monitor the upper and lower mold temperatures.

Large Capacity

Can hold 37, ø100mm flasks.

Burnout Data Logging & Download



Specifications	
Power supply	AC 380 V ±10%, (15 kVA) 50/60 Hz
Power consumption	Main heater : 13.3 kVA (380 V) Afterburner : 3.7 kVA (380 V)
Temperature setting range	0 ~ 850 °C (32 ~ 1562 °F)
Minimum temperature display unit	1 °C (2 °F)
Rotational position of rotary tables	1 ~ 48 positions
Operation steps	12 steps
Number of memories	20 memories
Maximum height of flask	230 mm (9")
Number of flask	230mm (9") x ø130mm (5.1") - 21 flasks 230mm (9") x ø100mm (3.9") - 37 flasks
Ext. Dimensions (W x D x H)	89.4 x 102.3 x 180 cm
Weight	About 460 kg (1014 lb)

Explore more





Oncel Rotating De-waxing Burnout Furnace



*3 floor (60 flask - ø100x200mm) setup on-demand

Rotating Burnout / Dewaxing Furnace has been developed with 25+ year experience in jewellery casting equipment, under deep metallurgical knowledge and engineering principles.

The furnace has been engineered to solve the weak points of world known manufacturers.

Main advantage of furnace is high energy efficiency and temperature uniformity during whole operation. Heater capacities and locations are perfectly calculated and settled with detailed calculations and modelling.

This design prevents non-homogeneous or overheating of asks, also do not let any damage to heaters or chamber by non-qualified workers.

The chamber body is made of special high temperature resistant stainless steel.

A standard burnout operation can be done within 30-50 % lower energy of competitor furnaces.



Specification	
Flask capacity	28-40 (dia. 100 mm x h:300 mm)*
Flask height	up to 300 mm
Heating power	10 kW, (15 kW as option) T Max : 800 °C
Power supply	380 V 50 Hz, 3 phase , 5 cable input
Design	Energy saving high insulation design
Heating chamber	High temperature grade heating chamber
Heating method	Hidden heaters, allows whole chamber to act as heating element and prevents heater deformation during operation
Control	Touchscreen HMI interface with 20 step recipe control
Timer	AutoSchedule timer function
Exhaust control	Pneumatic exhaust control
Over temperature protection	Standard
Number of rotating tables	Standard 2 floor rotating table
Table position control	Table position control on HMI
Automatic exhaust valve	Standard
Door control	Pneumatic Auto Door with pedal control
Dimensions	115 x 120 x 200 cm



Indutherm Casting Machines



INDUTHERM
Erwärmungsanlagen GmbH

Mini Casting Systems



MC 16



MC 20V



MC 100V

	MC 16	MC 20V	MC 100V
Performance Max. / Electrical connection	3.5 kW 230 V, Single phase	3.5 kW 230 V, Single phase	8 kW 3x400 V, three phase
Maximum Temperature	2000 °C	2000 °C	2000 °C
Capacity			
Crucible Volume	100g Au 18ct / 110 g Steel / 200 g Pt	100g Au 18ct / 110 g Steel / 200 g Pt	450 g 18ct / 250 g Steel / 500 g Pt
for use of flask up to	up to ø 30/50/65/80 mm x 80 mm h	up to ø 30/50/65/80 mm x 80 mm h	up to ø 80/100 mm x 120 mm h
Handling + Control			
Control Panel	by LCD display, full text read out	by LCD display, full text read out	by LCD display, full text read out
Automatic Vacuum Function	✓	✓	✓
Automatic Overpressure function	✓	✓	✓
Casting also under vacuum only	✓	✓	✓
Vacuum or Overpressure after casting	✓ -1 up to +2 bar	✓ -1 up to +3 bar	✓ -1 up to +3 bar
Vibration System	(N/A)	✓	✓
Supply: Cooling water, Inert gas argon or nitrogen	✓	✓	✓
Temperature Measurement/Control	(Standard) Up to 1300 °C (Optional) Up to 1600 °C	(Standard) Up to 2000 °C	(Standard) Up to 2000 °C
Quality Management			
Interface RS 232	✓	✓	✓
GMS Modem	(Optional)	(Optional)	(Optional)

Watch Video



Explore more



Standard - "✓" Not Available - "-"

Indutherm MC 60V

For Gold



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Erwärmungsanlagen GmbH

This small high-performance casting machine is ideal for smaller production quantities and can be used for jewellery alloys such as gold, silver, copper and bronze, as well as for alloys of brass and aluminium. Thanks to the vacuum and overpressure functions and the many automatic control features, the machine provides first class castings with little work

Main benefits

- * Very simple use, short training period, very good results even by operators with less experience in casting techniques
- * 3,5 kW generator enables quick melting periods
- * Thorough mixing of metal by induction generator (low frequency tuning)
- * Melting under vacuum for reduced danger of oxidation
- * Excellent mould filling because of inert gas / overpressure, max. 2 bars
- * Excellent ratio machine size to capacity: flasks up to Ø 100 mm x 120 mm h

Machinery



MC 60V

Performance Max. / Electrical connection 3.5 kW 230 V, Single phase

Maximum Temperature 1300 °C

Capacity

Crucible Volume 450 g 18ct / 300 g Ag 935

for use of flask up to up to Ø 80/100 mm x 120 mm h

Handling + Control

Control Panel by LCD display, full text read out

Automatic Vacuum Function ✓

Automatic Overpressure function ✓

Casting also under vacuum only ✓

Vacuum or Overpressure after casting ✓ -1 up to +2 bar

Vibration System ✓

Supply: Cooling water, Inert gas argon or nitrogen ✓

Temp. Measurement/Control (Standard) Up to 1300 °C

Quality Management

Interface RS 232 ✓

GMS Modem (Optional)

Standard - "✓" Not Available - "-"

Watch Video



Explore more



Indutherm MTC 100V

For Gold & Platinum

The MTC 100 V redefines precision casting for platinum and other high-temperature metals. Designed for use with ceramic crucibles, it eliminates the challenges associated with traditional centrifugal casting systems. A highly reliable, specially engineered automatic pressure and tilting system, delivering exceptional mold filling for both intricate and solid castings.

Features

- * Crucible capacity up to 600 g of platinum
- * Can also be used to cast gold and silver alloys
- * Flask size of up to \varnothing 100 x 150 mm
- * 8 kW induction power
- * Operates at a remarkable 2,100°C
- * Equipped with a multi-frequency infrared pyrometer
- * Automatic tilting with adjustable speed, and variable pressure build-up, ensuring consistent, high-quality results.



MC 60V

Performance Max. / Electrical connection 8 kW 3x400 V, three phase

Maximum Temperature 2100 °C

Capacity

Crucible Volume 450 g 18ct / 250 g Steel / 500 g Pt
for use of flask up to bis \varnothing 100 mm x 150 mm h

Handling + Control

Control Panel by LCD display, full text read out

Maximum pressure 3 bar

Automatic Vacuum Function ✓

Turbo pressure PLUS system ✓

Casting also under vacuum only ✓

Vacuum or Overpressure after casting ✓ -1 up to +3 bar

Vibration System ✓

Supply: Cooling water, Inert gas argon or nitrogen ✓

Temp. Measurement/Control (Standard) Up to 2100 °C

Quality Management

Interface RS 232 ✓

GMS Modem (Optional)



Also available as table-top unit

Standard - "✓" Not Available - "-"



Explore more

Indutherm VC 400



The ideal machine for smaller companies producing moderate quantities, but need considerably more capacity than that offered by MC machines.



Standard - "✓" Not Available - "-"

VC 400	
Performance Max. / Electrical connection	3.5 kW 230 V or 4.5 kW 3x400 V
Maximum Temperature	1400 °C
Capacity	
Crucible Volume	170 cm ³ = 2.5 kg Au 18 ct
for use of flasks up to	ø 130mm / 240 mm h
Handling + Control	
Vibration Technology	-
Pneumatic Bell Lock	-
Maximum Pressure	1.5 bar
Program	20 temperature programs
Dual Temperature Control	(Optional)
Flask and Chamber Lift	Switch
Turbo Pressure PLUS System	✓
Turbulence Reduction Software	-
Quality Management	
Interface RS 232	✓
GMS Modem	✓
Accessories	
Sintering Kit (for diffusion bonding)	(Optional)

Indutherm VC 440

The VC 440 is designed to be robust and easy to use. Major functions are controlled by automatic system. All relevant parts are water cooled.



Standard - "✓" Not Available - "-"

VC 440	
Performance Max. / Electrical connection	3.5 kW 230 V or 4.5 kW 3x400 V
Maximum Temperature	1400 °C
Capacity	
Crucible Volume	170 cm ³ = 2.5 kg Au 18 ct
for use of flasks up to	ø 130 mm / 240 mm h
Handling + Control	
Vibration Technology	-
Pneumatic Bell Lock	✓
Maximum Pressure	1.5 bar
Program	20 temperature programs
Dual Temperature Control	✓
Flask and Chamber Lift	Button powered
Turbo Pressure PLUS System	✓
Turbulence Reduction Software	✓
Quality Management	
Interface RS 232	✓
GMS Modem	(Optional)
Accessories	
Sintering Kit (for diffusion bonding)	(Optional)
Also available as granulating unit	540mm, if VC 440 has flask lift

Watch Video



Explore more



Indutherm

VC 450/450 V/450 HV

The VC 450V is equipped with INDUTHERM vibration system. An integrated pressure tank enables faster pressure build-up for Turbo Pressure PLUS activation.



Gas tank
(VC 450 HV)


Vibration
Technology



Performance	
Power Max. / Electrical connection	4.5 kW, 3x400 V
Maximum Temperature	1400 °C
Capacity	
Crucible Volume	170 cm ³ = 2.5 kg Au 18 ct
for use of flasks up to	ø 130 mm / 240 mm h (Optional) ø 160mm / 400 mm h
Handling + Control	
Vibration Technology	✓
Pneumatic Bell Lock	✓
Maximum Pressure	1.5 Bar
Programs	20
Program Control	LCD display, full text display
Dual Temperature Control	(Optional)
Flask and Chamber Lift	✓
Turbo Pressure PLUS System	✓
Turbulence Reduction Software	✓
Quality Management	
Interface RS 232	✓
GMS Modem	(Optional)
Accessories	
Sintering Kit (for diffusion bonding)	(Optional)
Granulation Tank	(Optional)

Standard - "✓" Not Available - "-"



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Explore
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Indutherm VC 460V



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Erwärmungsanlagen GmbH

New



**Vibration
Technology**

The all new VC 460 V is a cutting-edge, fully automatic vacuum overpressure casting machine, designed with advanced features specifically for stone-in-place and filigree casting. It boasts an optimized vibration system that, combined with a novel high-speed overpressure mechanism, ensures perfect form filling for intricate designs.

Additionally the VC 460 V introduces a new automatic closing and locking system for the vacuum chamber, significantly enhancing user comfort and increasing production speed.

The design has been thoughtfully refined, both visually and ergonomically, making the machine easier to handle and more efficient to operate.

Machinery



VC 460V features a new automatic lid lock system

Performance

Power Max. / Electrical connection 4.5 kW 3x400 V

Maximum Temperature 1400 °C

Capacity

Crucible Volume 170 cm³ = 2.5 kg Au 18 ct / 1.5 kg Cu

For use of flasks up to
ø 130mm / 240 mm h
(Optional) ø 160mm / 400 mm h

Handling + Control

Vibration Technology ✓ Optimized vibration system

Automatic Lid Lock System ✓

Maximum Pressure 1.5 Bar (Optional 3 bar)

Programs/ Program Control 100 programs / LCD display, full text readout

Dual Temperature Control (Optional)

Automatic Flask and Chamber Lift ✓

Variable Vacuum Flask Chamber ✓

Turbo Pressure PLUS System ✓ With additional gas tank

Turbulence Reduction Software ✓

Quality Management

RS 232, Ethernet, USB, diagnostic system ✓

GMS Modem (Optional)

DMS ✓

Accessories

Sintering Kit / Granulation Tank (Optional)

Water Chiller, Vacuum Pump (Optional)

Standard - "✓" Not Available - "-"

Explore
more



Indutherm VC 480 V



Performance	
Power Max. / Electrical connection	8 kW 3x400 V
Maximum Temperature	1600 °C
Capacity	
Crucible Volume	170 cm ³ = 2.5 kg Au 18 ct
for use of flasks up to	ø 130mm / 240 mm h (Optional) ø 160mm / 400 mm h
Handling + Control	
Vibration Technology	✓
Pneumatic Bell Lock	✓ Switch
Maximum Pressure	1.5 Bar
Programs	100 temperature programs
Program Control	LCD display, full text display
Dual Temperature Control	(Optional)
Flask and Chamber Lift	✓
Variable Vacuum Flask Chamber	✓
Turbo Pressure PLUS System	✓
Turbulence Reduction Software	✓
Quality Management	
Interface RS 232	✓
GMS Modem	(Optional)
Accessories	
Sintering Kit (for diffusion bonding)	(Optional)
Granulation Tank	(Optional)

The VC 480 V comes with an 8 kW generator, an advanced program control with 100 casting programs, automatic mold and chamber lift, variable vacuum in the Flask chamber and the INDUTHERM vibration system.



Standard - "✓" Not Available - "-"

Indutherm VC 650 V

Performance	
Power Max. / Electrical connection	12 kW 3x400 V
Maximum Temperature	1700 °C
Capacity	
Crucible Volume	245 cm ³ = 3.6 kg Au 18 ct; (Optional) 386 cm ³ = 5.8 kg Au 18 ct (Optional) 700 cm ³ = 10.5 kg Au 18 ct
for use of flasks up to	ø 130mm / 240 mm h (Optional) ø 160 mm / 400 mm h
Handling + Control	
Vibration Technology	✓
Pneumatic Bell Lock	✓
Maximum Pressure	3 Bar
Programs	100
Program Control	LCD display, full text display
Dual Temperature Control	(Optional)
Flask and Chamber Lift	✓
Turbo Pressure PLUS System	✓
Turbulence Reduction Software	✓
Quality Management	
Interface RS 232	✓
GMS Modem	(Optional)
Accessories	
Sintering Kit (for diffusion bonding)	(Optional)
Granulation Tank	(Optional)

VC 650 V for high speed and casting quality with high crucible capacities, sweep mode vibration system and up to 3 bar overpressure that are essential for large productions.



Standard - "✓" Not Available

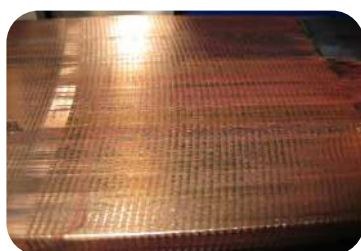
Explore more



Indutherm Continuous Casting Machines



Whatever you want to cast we have a perfect solution



Performance	CC 400 / VCC 400	CC 1000 / VCC 1000	CC 3000 / VCC 3000
Power Max. / Electrical connection	15 kW, 3x400 V/3x208 V	20 kW, 3x400 V	30kW, 3x400 V
Maximum Temperature	1500 °C	1500 °C	1500 °C
Capacity			
Crucible Volume	245 ccm = 3.6 kg Au 18 ct (Optional) 386 ccm = 5.8 kg Au 18 ct (Optional) 700 ccm = 10.5 kg Au 18ct	1.5 l = 4 kg Al, 12 kg Cu	3.4 l = 8.5 kg Al, 25kg Cu
Wire/Tube Production Up to	ø20 mm / ø45 mm	ø40 mm / ø65 mm	ø70 mm / ø90 mm
Sheet Production	50 x 8 mm (Optional) 60 x 8 mm	100 x 10 mm	130 x 40 mm
Handling + Control			
100 Programs	LCD display, full text display	LCD display, full text display	LCD display, full text display
Vacuum/inert gas overpressure	(-) CC 400 / (✓) VCC 400	(-) CC 1000 / (✓) VCC 1000	(-) CC 3000 / (✓) VCC 3000
Neutral inert gas atmosphere	✓	✓	✓
Optical die temperature measurement	✓	✓	✓
Die cooler with protective gas flushing	✓	✓	✓
Secondary Cooler	✓	✓	✓
End bar sensor	✓	✓	✓
Quality Management			
Interface RS 232	✓	✓	✓
Data Printer	✓	✓	✓
GMS Modem	✓	✓	✓
Accessories			
Quattro drawing unit	(Optional)	(Optional)	(Optional)
Center alignment	(Optional)	(Optional)	(Optional)
Sintering kit	(Optional)	-	-
Granulation Tank	(Optional)	(Optional)	(Optional)
Bending unit	(Optional)	(Optional)	(Optional)
Simultaneous casting of several wires	-	(Optional)	(Optional)
Coiling equipment	-	(Optional)	(Optional)

Explore more



Standard - "✓" Not Available - "-"

MUV 200

Induction Manual Casting Machine



Flexible melting furnaces designed to melt gold and silver alloys and as well as aluminium, bronze, brass a.s.o. Due to the strong induction generator and the low induction frequency the stirring effect of the metal is excellent.

The MUV version include one or two additional extra large capacity vacuum chambers. The short distance between melting and pouring leads to high quality cast even with filigree parts.

Performance	MUV 200
Power Max. / Electrical connection	3.5 kW 230 V or 6 kW 3x400 V
Maximum Temperature	1300 °C or 1500 °C
Capacity	
Crucible Volume	155 cm ³ = 2.0 kg Au 18 ct
for use of flasks up to	up to ø 160 mm / 400 mm H
Handling + Control	
Temperature measurement by thermocouple	✓
Temperature Control	✓
Temperature Programs	20
Quality Management	
RS232, Ethernet, USB Interface Diagnostic System	✓
GSM Modem for Remote Service	(Optional)

Open casting vacuum chamber

Standard - "✓" Not Available - "-"



Explore
more



Indutherm Granulating Machines



GU 500



GU 3000



GU 12000

Indutherm offers advanced granulating solutions tailored for various scales of metal processing - from occasional granule production to continuous, high-volume operations. The GU Series granulating units, ensure precision, reliability, and flexibility in transforming bullions, sheet metal, or casting residues into high-quality granules.

Designed for the efficient production of standard granules, the GU Series machines are ideal for:

- * Preparing alloys and alloy components
- * Recycling and cleaning cast materials
- * Operating under inert gas atmospheres or vacuum conditions

Key Features:

- * Easy-to-remove granulation tanks for quick emptying
- * Available crucible sizes from 245 ccm to 12,000 ccm
- * Option for high-temperature casting (HTC versions) with max temperatures up to 2,000°C
- * Reliable separation of water and granules for clean processing

	GU 500	GU 1000	GU 3000	GU 12000
Temperature max.	1600 °C	1600 °C	1600 °C	1600 °C
Crucible Volume (cm ³)	245 - 368	1500	3400	12000
Volume (kg Au 18 ct)	3.6 - 5.7	22.0	51.0	180.0
Volume (kg Ag)	2.4 - 3.8	14.0	34.0	120.0
Volume (kg Cu)	2.1 - 3.3	12.0	30.0	105.0
Volume (kg Pt)	6.5	25.0	65.0	-
Volume (kg Steel)	2.5	10	25.0	90.0
Generator (kW 400 V)	10	20	30	40

Explore more



Indutherm Consumables



INDUTHERM
Erwärmungsanlagen GmbH

Casting Consumables



Graphite crucible
& stopper rod for
VC400/440/450/480V



Graphite crucible for
casting
VC200/300/500/650V



Ceramic crucible for
MC60



Crucible shield for
78mm crucible,
VC500/600, CC400



Crucible shield 108
VC600



Crucible shield for
VC400-VC480V



Filling cone
VC400-VC480V



Crucible bottom
insulation VC600/650



Crucible bottom
insulation MU200



Crucible bottom
insulation
VC400/450/480V



Crucible safety cover
for MC50/60/100V,
VTC100V



Vacuum filter for
MC series



Sinter metal filter for
VC - Brass



Pressure sensor for VC
series



Thermocouple type N
for MC60, MC100V up
to 1300°C



Thermocouple type N
for VC650 up to 1300°C



Flask gasket graphite
169/110mm



Flask gasket red silicon

Continuous Casting Consumables



Casting crucible



Die for wire



Die for wire



Round Die ø55



Die for sheet



Starter bar
VCC400(5x40x350)



Stater Bar for Wire



Sealing rod with Conus



Sealing rod ceramic
1400C



Die insulation for
rectangular die



Graphite ball D20 for
casting rod

Melting Consumables



Crucible shield
dia=110mm



Crucible bottom
insulation TF1200



Crucible shield ring
TF1200



Crucible cover fibre
with handle, TF1200



Thermocouple S type
MU200



Crucible tong

Water Jet Machine



Main Features

- * Effective removal of plasters from molds after casting.
- * WaterJet adjustable until a pressure of 120 bar.
- * Ecological technology: works without acids, solvents or other substances harmful to the environment.
- * Stainless steel booth with internal lighting.
- * Supplied as standard: washing pump at 120 bar, high pressure hose for connection to the washing booth and supporting trolley.

Idroget 120	
Power supply	220 V, 50 Hz
Pump power	2.2 hp
Pump pressure adjustable	120 bar
Pump delivery rate	8 ltr/min
External dimensions (L x D x H)	62 x 50 x 140 cm

Vacuum Pump



	R5 RA 0025 F	R5 RA 0040 F	R5 RA 0063 F
Ultimate pressure	0.1 hPa (mbar)	0.1 hPa (mbar)	0.1 hPa (mbar)
Nominal motor rating	1.0 kW	1.4 kW	2.0 / 2.4 kW
Nominal motor speed	1500 min ⁻¹	1500 min ⁻¹	1500 / 1800 min ⁻¹
Power consumption at 100 mbar	0.8 kWh	1.1 kWh	1.3 / 1.5 kWh
Power consumption at ultimate pressure	0.5 kWh	0.6 kWh	0.7 / 0.8 kWh
Noise level (ISO 2151)	60 dB (A)	63 dB (A)	64 / 67 dB (A)
Oil capacity	1 l	1 l	2 l
Weight approx.	36 kg	42 kg	55 kg
Dimensions (L x W x H)	58.5x28.4x26.3 cm	62.5x28.4x26.3 cm	62.7x40.6x29 cm
Gas inlet / outlet	G 1 ¼" / G 1 ¼"		

HAR Water Chiller WC-150L

Specifications

Tank Capacity	150 liter
Pump	0.5 hp, 2 motors (Pedrollo, Italy)
Electricity	15 amp, 220V/Single phase
AC Unit	2 ton
Compressor type	Gas compressor
Refrigerant gas	R-22



CLW-3000 Water Chiller

- ★ Coldsoar brand compressor
- ★ Fast cooling
- ★ Stainless steel water box
- ★ Easy to operate
- ★ Smart temperature control
- ★ Milti layer protection
- ★ Energy conserving & environmentally friendly



Water Pump

Pure copper core, Big water capacity, Anti-corrosive, Stable performance



Filter

Imported Filters, Efficient filtering, Low blockage rate



High Quality Compressor

High & low pressure protection
Overheat protection



Accurate guages

High & low pressure guages
Accurate real-time display

Product Specifications	CL 3000
Power supply	220 V AC, 50/60 Hz; Single phase
Rated power	3.2 kW
Water pump power	370 W
Max lift	29 M
Rated flow	33 L/min
Nominal refrigerating capacity	8.2 kW
Type of compressor	Rotary
Accurate temperature control	± 1 °C
Refrigerant	R-410a
Restrictor	Capillary
Water box capacity	45 L
Type of evaporator	Coil tube water tank
Water inlet and outlet	Rp 3/4"
Weight	107 kg
Dimensions (L x W x H)	560 x 780 x 970 mm



WaterJet Machine

Dimensions

Length	92 cm
Width	55 cm
Height	175 cm



Plaster Crushing Machine

Used to break the gypsum tree after its taken out from casting

- * 1 fractional pump
- * Pedals to control the pumping
- * 1 thrust pump
- * 1 mixer
- * Light

Technical Specification

Power	3.5 kW
Power supply	220V, 50/60Hz
Dimensions (L x W x H)	130 x 52 x 170 cm
Weight	160 kg

Double Tap Basin



- * 2 faucets
- * Cotton filter
- * External filter
- * 3 stage filtration
- * 135 liter capacity

Specifications

Electricity	220 V, 50-60 Hz
Power	0.25 kW
Weight	40 kg
Dimensions (L x W x H)	108 x 51.5 x 118.5 cm
Content	Movable basin Pump

Single Tap Basin



- * 1 faucet
- * Cotton filter
- * External filter
- * 2 stage filtration
- * 75 liter capacity

Specifications

Electricity	220 V, 50-60 Hz
Power	0.25 kW
Weight	28 kg
Dimensions (L x W x H)	63 x 51.5 x 118.5 cm
Content	Movable basin Pump

Explore
more



Water Filtration

Filter System 1
Filter Bag
1µm absolute



Filter System 2
Cartridge 20"
Qty. 7



Filter System 3
Disc D200
Qty. 72



WF-10

These filtering systems are used under the sink in the jewellery industry, to recover small parts of precious metals through filters that can have a filtering degree as small as 1 absolute micron.

Advantages

- * Quick payback time
- * Recovery of up to 99% of metal
- * Easy to use
- * Minimal maintenance

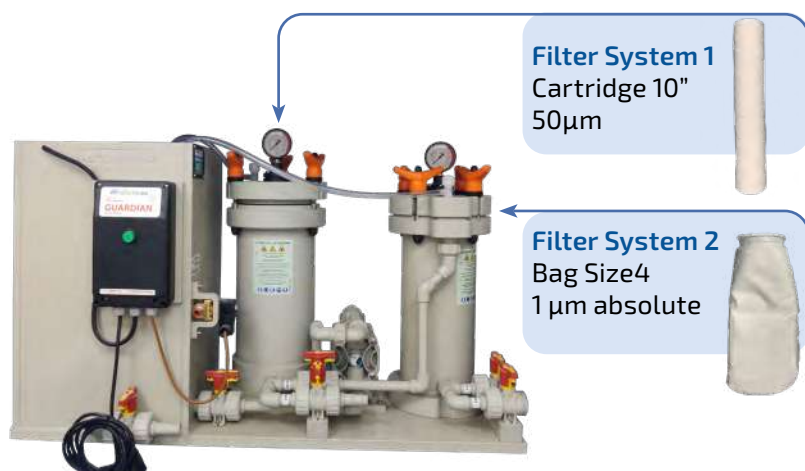
Specification

Made in PP, which guarantees high mechanical and chemical resistance to both acid & alkaline solution. Suitable for water at hand washing stations.

Filter System 1
Cartridge 10"
50µm



Filter System 2
Bag Size4
1µm absolute



WF-08

Filter System
Bag Size4
1µm absolute



WF-05 (Undersink)

	WF-05	WF-08	WF-10
Dimensions	74 x 41 x 60.5 cm	100 x 41 x 60.5 cm	128.1x 65 x 138 cm



ENR Gold Chip Vacuum Cleaner



Simple and fast system for filtering the precious metal present in the form of chips, flakes or dust, in the emulsified waters of various machine tools.

The system is equipped with a wheeled bin with bag filter, vacuum drum pump, suction hose and two filter chambers for further filtration of the aspirated liquid.

Advantages

- * No electricity required
- * Easy of use
- * Minimal maintenance
- * Possibility to reused emulsions

Features

- * Wheeled system
- * Air pump
- * PP aspirator
- * Integrated safety and over flow valves

Applications

- * Gold and jewellery industry
- * Machine tools
- * Tank drum

REM Metal Recovery



REM precious metals recovery systems are made for exhausted solution from various production processes from chemicals, plating, printed boards, general metal finish and jewellery sectors.

Features

- * Small dimensions
- * PPS flame-proof made, which guarantees high chemical and alkaline resistance
- * Extractor hood
- * Titanium screws
- * Mixed oxides anodes
- * Titanium Connections for anodes and cathodes

Model	Cell vol.	Cathode dimensions	Pump	QMAX (m³/h)	H max (m)	kW	In/Out	Dimensions LxBxH (cm)	Rectifiers
RM 5E	9 lt	140x490 mm	MPC042	1.8	5	0.12	25/63	32x38x62	12V 30A
RM 20	28 lt	270x250 mm	MPC042	1.8	5	0.12	25/63	40x43x95	12V 30A
RM 50	54 lt	150x460 mm	MPC042/MPP051	1.8/3	5/7	0.12	25/63	56x41x67	12V 50A
RM 90	100 lt	400x490 mm	MPC042/MPP051	1.8/3	5/7	0.12	32/63	85x62x115	12V 200A

Watch Video



Explore more



Silence 50L

Mobile Workstation



KO-MAX
Value for the Future



GA-10-L



Technical Specifications

Power supply	AC 220-240V (100-120V), 50/60Hz, single phase
Motor RPM	32000 RPM
Air pressure	23.7 kPa (230 V); 25.2 kPa (120 V)
Air flow	3750 l/min (230 V); 3660 l/min (120 V)
Body materials	ABS, PP, PC
Output power	1251 W (230 V); 1247 W (120 V)
Current	5.2 A (230 V); 10 A (120 V)
Control panel	Suction level display, filter arm, vacuum motor
1st filter	Pocket filter
2nd filter	ULPA filter (99.9995 %)
3rd filter	Carbon filter
4th filter	Membrane filter
Noise level	Max. 55 dB
Suction level	1 - 9 steps
Motor operating temp.	0 - 40 C
Dimensions (Body)	W 29.5 x D 33 x H 75 cm



Pocket filter



Filter bracket



UPLA filter



Membrane filter

- This device can be linked with micromotor controller.
- Filter replacement (cleaning) alarm by pneumatic sensor.

Explore more





Silence H1

Desktop Dust Collector



Pocket filter



Filter bracket



UPLA filter



Membrane filter



Foot pedal



Hose

Technical Specifications

Power supply	AC 220-240V (100-120V), 50/60Hz, single phase
Motor RPM	32000 RPM
Air pressure	23.7 kPa (230 V); 25.2 kPa (120 V)
Air flow	3750 L/min (230 V); 3660 L/min (120 V)
Output power	1251 W (230 V); 1247 W (120 V)
Current	5.2 A (230 V); 10 A (120 V)
Control panel	Suction level display, filter arm, vacuum motor
1st filter	Pocket filter
2nd filter	ULPA filter (99.9995 %)
4th filter	Membrane filter
Noise level	Max. 55 dB
Suction level	1 - 9 steps
Motor operating temp.	0 - 40 C
Dimensions (Body)	W 29.5 x D 33 x H 48.5 cm

- This device can be linked with micromotor controller.
- Filter replacement (cleaning) alarm by pneumatic sensor.

Explore
more



Berkem Plating Machinery

GALVALINK®-evo 2B

The GALVALINK-evo 2B combines innovative design with high performance and versatility. Built entirely from AISI 304 stainless steel, it ensures durability even under intensive use. Its compact, modular design suits both small workshops and scalable production, offering total control over operating parameters with preset and customizable recipes for optimal repeatability.

- * **User-friendly and high performance:** the touch screen and encoder simplify control, while the high-linearity rectifier ensures uniform, burn-free deposits.
- * **Functional design:** fully visible pyrex beakers and a removable cover enhances safety and solution preservation.
- * **Versatile and modular:** adaptable modular design supports diverse applications.
- * **Durable and easy to maintain:** aisi 304 stainless steel provides mechanical and chemical resistance
- * **Reliable electronics**
- * **Tailored software**



Specifications	evo 2B
Beakers	2 liter pyrex beakers
Integrated high-linearity rectifier	20A - 12V
Power consumption	850 W
Input	230V - 110V; 50-60Hz
Dimensions (L x D x H)	50 x 32 x 40 cm
Weight	15 kg

POWER Digital Programmable Rectifiers

High performing digital programmable rectifiers for use in plating systems both for electro-deposition of metals and for electrochemical surface treatment.

- * Supply programmable ramp voltage for application of cathoretic coat.
- * Multi A-m meter for consumption control.
- * Automatic dosing pump connection.



Explore more

Combi Rhodium Machine



BAILLO ALDO & FIGLIO

Designed for electroplating gold, silver, rhodium, nickel and copper, as well as for electrolytic degreasing and electropolishing. There is the possibility to connect a pen for local painting

Equipment included:

- * 4 Pyrex beakers - 2 litre capacity
- * 1 steel anode for degreasing
- * 1 platinised titanium anode for gold and rhodium plating
- * 1 protective covers made of acid-proof polycarbonate
- * 1 cable object holder

Specifications	Combi
Tanks	4 x 2 lt
Heating power	150 W
Current	15 Amps
Voltage converter	0 - 15 V
Adjustable thermostat	0 - 120 °C
Timer	Manual or automatic, 0 - 60 seconds
Voltage	220 V
Construction	Steel body
Dimensions (W x D x H)	67 x 37 x 40 cm
Weight	21 kg

Independent heating switch and power switch



Flash Rhodium Machine

Specifications	Flash
Tanks	2 x 1 lt
Current	10 Amps
Dimensions (W x D x H)	25 x 30 x 35 cm
Weight	12 kg

Explore more



ElettroLaser MS-3.5

165 Joules

The MS-3.5 is a manual welding system, ideal for goldsmiths and dental technicians who need precision and accuracy for quick welding and finishing operations. MS-3.5, small and ultra-compact, with reduced consumption, but with the peculiarities of the classic bench welder.

It is possible to weld: gold, platinum, chrome cobalt, steel, palladium, silver with and without the addition of wire.



LED
Lighting



Motorized
Spot



7 inch
Touchscreen

Features

- * 7" colour touch screen display
- * 100 programmable memories
- * High brightness shutter LCD
- * Easily accessible controls
- * Powerful led lights
- * Low weight and dimensions
- * Argon gas inlet
- * Water and air cooling
- * USB interface (optional)

Specifications	MS-3.5-165
Laser source and wavelength	Nd: YAG 1064 nm
Average power	75 W
Peak power	6.5 kW
Energy	165 J
Impulse time	0.1 to 25 ms
Pulse frequency	0.5 to 20 Hz
Spot diameter	0.2 to 2.0 mm
Stop setting	Motorized
Wave programs	Pulse shaping 6 presets
Memories cell stored	100
External control	7" colour touchscreen
Input power	230 V AC, 50/60 Hz - 2.2 kW
Type	Desktop
Dimensions (L x D x H)	69 x 55.2 x 51.6 cm
Weight	30 kg



Watch
Video

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ElettroLaser Master 4.0/4.0+

225 Joules



Master 4.0 is a laser welding machine designed and developed mainly for goldsmiths and dental laboratories, but which is also well suited for multiple processes in different industrial sectors where maximum welding precision is required.

The new design with incorporated armrests and the latest generation reinforced body increase comfort and usability, together with the 7" capacitive display and the joystick inside the welding chamber.



Smooth Spot
(Only on 4.0+)



7 inch
Touchscreen



Integrated
Camera

Features

- * 7" colour touch screen display
- * 100 memories storage cells with name
- * Stereomicroscope 10x by Leica
- * High brightness shutter LCD
- * Internal joystick to the welding chamber
- * Powerful led lights
- * Low weight and dimensions
- * Integrated camera
- * Datalogger web interface
- * No water filling need
- * Ethernet port RJ 45 included



Specifications	Master 4.0 / 4.0+
Laser source and wavelength	Nd: YAG 1064 nm
Average power	80 W
Peak power	9 kW
Energy	225 J
Impulse time	0.1 ÷ 25 ms
Pulse frequency	0.5 ÷ 30 Hz
Spot diameter	0.2 ÷ 2.0 mm (0.1 opt.)
Smooth spot	Available in Master 4.0+
Stop setting	Motorized
Wave programs	Pulse shaping 6 presets
Memories cell stored	100
Internal chamber control	Joystick
External control	7" colour touchscreen
Input power	230 V AC, 50/60 Hz (110 V on request) - 2.2 kW
Ampere	10 A
Dimensions (L x D x H)	71.5 x 55.2 x 51.6 cm
Weight	30 kg

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ElettroLaser Mega 5.0

245 Joules

Manual laser welding machine, suitable for companies and laboratories with medium / large productions.

Equipped with a large welding chamber, Mega 5.0 is one of the lasers that offers the greatest flexibility as regards both the power and size of the objects it can weld.

The new attractive design is equipped with a double cooling system that allows it to be used even in tropical environments with high temperatures without incurring thermal blocks.



7 inch
Touchscreen



Dual Cooling
System



Integrated
Camera



Features

- * LED cold and white light in the chamber
- * Integrated camera
- * 7" colour touch screen display
- * Demonstration videos uploaded
- * Stereomicroscope 10x by Leica
- * Double powerful integrated cooling system
- * Internal joystick to the welding chamber
- * Wide welding chamber
- * Wi-Fi connection
- * Ethernet port RJ 45 included

Specifications	Mega 5.0
Laser source and wavelength	Nd: YAG 1064 nm
Average power	90 W
Peak power	10 kW
Energy	245 J
Impulse time	0.1 ÷ 25 ms
Pulse frequency	0.5 ÷ 30 Hz
Spot diameter	0.2 ÷ 2.0 mm (0.1 opt.)
Stop setting	Motorized
Wave programs	Pulse shaping 6 presets
Memories cell stored	100
Internal chamber control	Joystick
External control	7" colour touchscreen
Input power	230 V AC, 50/60 Hz (110 V on request) - 2.2 kW
Ampere	10 A
Dimensions (L x D x H)	85 x 50 x 50 cm
Weight	35 kg



Large welding chamber



Mega 5.0 3D



Watch
Video



Explore
more

The Mega 5.0 can also be equipped with the 3D VISION system



ElettroLaser Mega 6.0

255 Joules



Professional welding laser to perform micro-welds, an evolution of the Mega SILVER, inherits all the best features of this family, such as the large welding chamber and the double cooling system.

Equipped with SMOOTH SPOT technology, it allows easier distribution of the filler material and a better surface finish of the weld.

Developed mainly for those who weld silver and / or highly reflective materials, and for intensive productions, which aim to digitize their business. The Mega 6.0 can also be equipped with the 3D VISION system for a stereoscopic view of the welding area.



Smooth Spot



Large Chamber



Integrated Camera

Features

- * Big laser road
- * Smooth and filled spot
- * Integrated camera
- * 7" colour touch screen display
- * Demonstration videos uploaded
- * Stereomicroscope 10x by Leica
- * Double powerful integrated cooling system
- * Powerful lamp
- * High energy real available along the process
- * Ethernet port RJ 45 included



Large welding chamber



Mega 6.0 3D

Specifications	Mega 6.0
Laser source and wavelength	Nd: YAG 1064 nm
Average power	100 W
Peak power	11 kW
Energy	255 J
Impulse time	0.1 ÷ 25 ms
Pulse frequency	0.5 ÷ 40 Hz
Spot diameter	0.3 ÷ 2.0 mm (0.1 opt.) Smooth Spot
Stop setting	Motorized
Wave programs	Pulse shaping 6 presets
Memories cell stored	100
Internal chamber control	Joystick
External control	7" colour touchscreen
Input power	230 V AC, 50/60 Hz (110 V on request) - 2.2 kW
Type	Desktop
Dimensions (L x D x H)	85 x 50 x 50 cm
Weight	35 kg

The Mega 6.0 can also be equipped with the 3D VISION system

Explore more



Elettrolaser

LUXMARK S Series



The LUXMARK S Series laser markers are designed to achieve precise marking on small objects, delivering sharp and defined details even on geometrically complex pieces. With a versatile selection of interchangeable laser sources, the S Series provides comprehensive functionality.

Specifications

Power	Fiber	20W / 30W / 50W / 60W / NIB
	Green	3W / 5W / 7W
	UV	3W / 5W / 7W
Frequency	1 to 4000 khz in various modules depending on the application	
Focals	F100	(6 x 6 cm / 2.4"x 2.4")
	F160	(10 x 10 cm / 3.9"x 3.9")
	F210	(14 x 14cm / 5.5"x 5.5")
Axes	2 : Z + R (Optional: X,Y)	
Axis travel	Z: 20 cm / 7.9"	
Working chamber dimensions	45 X 28,5 cm / 17.7"X 11.2"; Open door: 37 cm / 14.6"	
Max workpiece height	18 cm / 7.1" (F160)	
Machine dimensions	S: 48.2 x 74 x 70 cm / 19"x 29.1"x 27.6"	
	S OPEN: 48 x 73 x 64 cm - 19"x 28.7"x 25.2"	
Weight	S: 88 kg	
	S OPEN: 55 kg	
Operating environment	Temp : 10° - 35°C / Humidity: 30% - 80%	
Power supply	1P + N + PE, 230 Vac ± 10% ; 50/60 Hz; 0.8 - 1.2 KW	



Francesca



Explore more



Elettrolaser

LUXMARK M & Top Series



Machinery

The LUXMARK M and TOP series laser marking machines are engineered for versatile marking, deep engraving, and cutting applications, with options including a Picosecond laser. Their working chamber enables advanced 3D marking for complex shapes and 2.5D for detailed excavations. A wide range of compatible laser sources provides full adaptability to customer needs.



Specifications		
Power	Fiber	20W / 30W / 50W / 60W / 70W / 80W / 100W / 200W / MOPA / NIB / PICO
	Green	3W / 5W / 7W
	UV	3W / 5W / 7W
	CO ₂	10W / 30W / 60W / 100W
Frequency	1 to 4000 khz in various modules depending on the application	
Focals	F100 (6x6 cm); F160 (10x10 cm); F210 (14x14cm); F254 (17x17 cm); F330 (23x23 cm); F420 (28x28 cm) / 3D HEAD	
Laser guide for centering	Laser diode 650nm 2mw	
Axes	Z: 36 cm / 14.2"	
Working chamber dimensions	58 X 51 cm / 22.8"x 20.1" DOOR OPENING 45 cm/17.7" (automatic door: optional)	
Max workpiece height	37.5 cm / 14.8" (F160), 35 cm / 13.8" (3D)	
Machine dimensions	62 x 100 x 170 cm / 24.4"x 39.4"x 66.9"	
Weight	220 kg	
Power supply	1P + N + PE, 230 Vac \pm 10% ; 50/60 Hz, 0.8 - 2 kW	

Explore more



Accessories Welding



Table

Motorized support up-down
(plexiglass)



R Axis Rotation System

For welding of circular objects



Viewfinder Cap

Removable hygienic covers for
laser microscopes



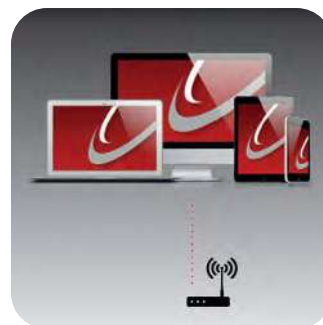
Oval Spot

Oval spot for chain and wire
welding



0,1 Spot

Micro-shot for high precision
welding



Data Logger

RSS remote supervisor system -
Connection of all ELETTROLASER
machines equipped with WIFI

Accessories Marking & Cutting



Camera

For easier object
positioning



Self Centering Chuck (R - axis)

External & internal marking
for rings and bracelets



XY Clamp

For manual positioning
axis x/y



Dust Aspirator

To recover 99.9% of
precious metals



Drag and Clamp Plate

For automatic cutting of
objects



Automatic Door Open

For industrialization of
production



Stand

Stand with PC support



Scanner Detection

Advanced piece position
auto-detection system

Laser Welding Machine



Technical Specification	
Laser type	Nd: YAG Solid State Laser
Laser pump source	Flash lamp
Laser wavelength	1064 nm
Laser class	IV
Max. average laser power	200 W
Pulse peak power	5 kW
Pulse energy	200 J
Pulse duration	0.1 - 10 ms
Pulse frequency	1 - 30 Hz
Laser spot size	0.2 - 2.0 mm
Chiller	Inner air + water cooling system
Power supply	220V 50/60Hz
Cabinet protective level	IP64
Dimensions	64 x 114 x 78 cm
Weight	95 kg

Explore
more



Midas Laser Marking Machines

The Midas marker is a desktop laser engraving machine that provides the most economical solution that meets a wide range of production needs.

Vertical openings on all three sides provide easy access with a pass through option when needed. Long parts that won't fit in the cabinet are easily marked with 3 sides open.

The robust structure has a working table made of hard anodized aluminium with pre-drilled holes for fixture of parts quickly.



Technical Specifications

Laser source	Fiber laser
Laser power	20 W
Laser wavelength	1064 nm
Beam quality	1.2
Laser frequency	20 - 200 kHz
Laser lifespan	50000 hours (average)
Min. life width	0.02 mm
Min. character height	0.2 mm
Repeatability	0.001 mm
Marking table	X, Y and Z axis table
Marking depth	Up to 1.0 mm
Power supply	220 V, Single phase (Standard)
Weight	23 kg



Explore more



Midas Laser Cutter & Engraver



Midas laser machine is one kind of professional laser marking equipment which integrated light, machine & electricity.

The key components are imported, our machine with advantages of novel style, unique structure, convenient operation, high frequency modulation, high marking speed and precision, stable performance, widely used in all kinds of metallic and non-metallic surface for permanent marker.

Using the most advanced laser technology, optical fiber as medium, through absorbing or releasing energy from the laser, the galvanometer changing track and lens focused on the work piece surface, in accordance with the system pre-install path in work piece surface movement which in the process of evaporation vaporization, exposing deep mark.

Components of the laser machine:

- * Laser source
- * Laser scanner
- * F-theta lens
- * Control board & marking software
- * Computer
- * Lifting pillar
- * 2D working table
- * Power supply.



Technical Specifications

Laser source	Raycus (50W), JPT (100W)
Laser wavelength	1064 nm
Average output power	50 W, 80 W, 100 W
Pulse energy	1 mJ
Pulse width	90 - 150 ns
Modulation frequency range	50 ~ 100 kHz
Maximum linear speed	7000 mm/s
Resolution	12 μ rad
Repeatability	8 μ rad
Marking range	110 x 110 mm (optional)
Minimum line width	0.01 mm
Minimum character height	0.02 mm
Cooling method	Air cooling
Laser power	0.5K/AC 220V/50-60Hz
Light path lifting stroke	Movements itinerary 285 mm
Environment requirement	0 ~ 35 °C
Dimensions (L x W x H)	66 x 44 x 68 cm



Watch Video



Explore more



Pulse Arc/Resistance Welding Systems



mPulse 30



The mPulse 30 power settings range from 3.0ws to 30ws, in 1ws increments—that's 27 different power settings to choose from.

mPulse Plus



With a 30ws power potential, the mPulse Plus can be used by anyone and has the power to tackle all sorts of jobs.

100 C

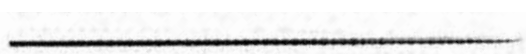


The Orion 100 C provides up to 100 joules of pulse-arc welding energy. The 100 C also yield as low as 3 joules of energy.

Technical Specifications	mPulse Plus	100c	150s	200i
Welding energy range	3 - 30 J	3 - 100 J	1 - 150 J	0.2 - 200 J
Weld spot diameter	≈ 0.75 - 1.5 mm	≈ 0.75 - 2.5 mm	≈ 0.5 - 3.5 mm	≈ 0.2 - 4.5 mm
Display (touch screen)	110 mm	130 mm	200 mm	250 mm
Weld speed	1 weld/2 seconds	1 weld/0.7 seconds	1 weld/0.3 seconds	1 weld/0.2 seconds
High frequency agitation options	None	Basic	Multiple	Advanced
Dimensions w/o scope	139 x 133 x 92 mm	273 x 152 x 169 mm	305 x 127 x 254 mm	406 x 127 x 267 mm
Save setting space	0	30	1000	Unlimited
5x magnification	(Standard)	(Standard)	(Standard)	(Standard)
Full IR & UV protection	(Standard)	(Standard)	(Standard)	(Standard)
Arc start technology		(Standard)	(Standard)	(Standard)
Track mode		(Standard)	(Standard)	(Standard)
Basic screen metal presets		(Standard)	(Standard)	(Standard)
Adaptive weld ignition				(Standard)
Dynamic energy adjustment				(Standard)
Multiple welding waveforms				(Standard)
PICO mode				(Standard)



Accessories



0.5 mm x 66mm Tungsten Electrodes



1.0 mm x 66mm Tungsten Electrodes

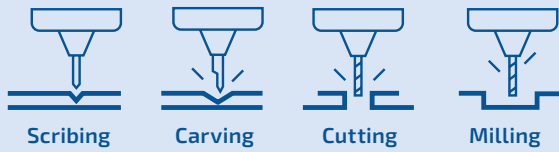


Explore more





Magic E4



MAGIC™-E4 is an engraving machine capable of engraving, cutting, and marking on various kinds of materials in different forms and sizes.

Magic E4

Resolution	0.0025mm(XY) / 0.000625mm(Z) / 0.028125° (A)
Max material height	60 mm
XYZ axis stroke	241mm (X) x 179mm (Y) x 40mm (Z)
Flat engraving area	241 mm x 179 mm
Power consumption	25 W
Voltage	AC 100 ~ 240 V, 50/60 Hz
Dimensions (W x D x H)	40.2 x 37.6 x 35.2 cm
Weight	26 kg
Temperature/Humidity	0 ~ 40° / 10 ~ 85 %
Bluetooth	Bluetooth BLE(Bluetooth 5.0) / Communication Range: Class 2(32.8ft) / Tx Output: MAX +4dBm / Frequency Band: 2.4 GHz



Magic E7



Technical Specifications

Resolution	0.0025mm(XY) / 0.000625mm(Z) / 0.028125° (A)
Max material height	60 mm
Rotary outer diameter	17.5 ~ 80 mm
Rotary inner diameter	14 ~ 78 mm
XYZ axis stroke	236.5mm (X) x 179mm (Y) x 40mm (Z)
Flat engraving area	112 mm x 100 mm
Spindle RPM	Max. 15000 RPM
DC motor output	38 W
Power consumption	47 W
Voltage	AC 100 ~ 240 V, 50/60 Hz
Dimensions (W x D x H)	40.2 x 37.6 x 35.2 cm
Weight	25.8 kg (57 lb)
Temperature/Humidity	0 ~ 40 °C / 10 ~ 85 %
Bluetooth	Bluetooth BLE(Bluetooth 5.0) / Communication Range: Class 2(32.8ft) / Tx Output: MAX +4dBm / Frequency Band: 2.4 GHz





Magic S4

Desktop Marking machine

Magic™-S4 is a marking machine for flat-type materials in different sizes. Useful for marking of signage, souvenir, promotional materials, industrial name plate/parts, etc.

Magic S4	
Resolution	0.0025mm(XY) / 0.000625mm(Z) / 0.028125° (A)
Max material height	60 mm
XYZ axis stroke	241mm (X) x 179mm (Y) x 40mm (Z)
Flat engraving area	241 mm x 179 mm
Power consumption	24 W
Voltage	AC 100 ~ 240 V, 50/60 Hz
Dimensions (W x D x H)	40.2 x 37.6 x 35.2 cm
Weight	24 kg
Temperature/Humidity	0 ~ 40° / 10 ~ 85 %
Bluetooth	Bluetooth BLE(Bluetooth 5.0) / Communication Range: Class 2(32.8ft) / Tx Output: MAX +4dBm / Frequency Band: 2.4 GHz



Magic S7

Desktop Engraving Machine

Magic S7 is a jewellery marking device that can easily and quickly mark on a variety of jewellery products such as rings, pendants, and bangles.

Technical Specifications	
Resolution	0.0025mm(XY) / 0.000625mm(Z) / 0.028125° (A)
Max material height	60 mm
Rotary outer diameter	17.5 ~ 80 mm
Rotary inner diameter	14 ~ 78 mm
XYZ axis stroke	236.5mm (X) x 179mm (Y) x 40mm (Z)
Flat engraving area	112 mm x 100 mm
Spindle RPM	Max. 15000 RPM
DC motor output	38 W
Power consumption	47 W
Voltage	AC 100 ~ 240 V, 50/60 Hz
Dimensions (W x D x H)	40.2 x 37.6 x 35.2 cm
Weight	25.8 kg (57 lb)
Temperature/Humidity	0 ~ 40 °C / 10 ~ 85 %
Bluetooth	Bluetooth BLE(Bluetooth 5.0)



Explore more



ARN Alpha Electropolishing Machine



Features & Advantages:

- * Any product that can be worn such as rings, earrings, etc.
- * Bracelet cuff 30 pieces
- * Chain up to 25 m (30-40)
- * Chain up to 8 m (3 gourmet etc.)
- * Filigree casting and fusion products starting from 1 mm wide and as small as 3 mm

Specifications

Capacity	1 kg
Dimensions	73 x 46 x 50 cm
Weight	30 kg

Explore
more



Avalon Disc Finishing Machines

TE Series (Stand-alone)



TE18



TE18x2



TE18x3

Model	Working bowl capacity	Working bowl inside diameter	Dimensions	Weight	Power	Supply
TE10	10 l	265 mm	46 x 91 x 180 cm	101 kg	0.6 kW	230 V
TE10x2	2 x 10 l	2 x 265 mm	92 x 91 x 180 cm	184 kg	1.2 kW	230 V
TE10x3	3 x 10 l	3 x 265 mm	135 x 91 x 180 cm	274 kg	1.8 kW	230 V
TE18	18 l	320 mm	46 x 91 x 180 cm	124 kg	0.8 kW	230 V
TE18x2	2 x 18 l	2 x 320 mm	89 x 91 x 180 cm	235 kg	1.2 kW	230 V
TE18x3	3 x 18 l	3 x 320 mm	135 x 91 x 180 cm	340 kg	1.8 kW	230 V
TE30	30 l	400 mm	50 x 104 x 180 cm	168 kg	1.5 kW	230 V
TE60	60 l	525 mm	127 x 116 x 169 cm	365 kg	4.0 kW	3 x 400 V

EC Series (Table-top)



EC6



EC10



EC18

Model	Working bowl capacity	Working bowl inside diameter	Dimensions	Weight	Power	Supply
EC6	6 l	210 mm	52.5 x 48.6 x 70.2 cm	33 kg	0.3 kW	230 V
EC10	10 l	265 mm	61 x 59 x 77 cm	56 kg	0.6 kW	230 V
EC18	18 l	320 mm	49.3 x 60.6 x 102.4 cm	76 kg	0.6 kW	230 V

Explore more



Avalon Round Vibratory Machines

W and WE Series



WE6



WE10



W15



W50



W100

Model	Working bowl capacity	Working bowl inside diameter	Dimensions	Weight	Power	Supply
WE6	6 l	280 mm	340 x 350 x 420 mm	22 kg	0.14 kW	230 V
WE10	10 l	310 mm	440 x 380 x 440 mm	30 kg	0.14 KW	230 V
W15	15 l	360 mm	500 x 590 x 890 mm	128 kg	0.49 kW	230 V
W50	50 l	560 mm	770 x 660 x 1150 mm	202 kg	0.61 kW	230 V
W100	100 l	772 mm	960 x 900 x 1180 mm	263 kg	0.7 kW	230 V

Explore more



Avalon Trough Vibrating Machines

WR Series



WR30 MINI



WR60 MINI



WR60



WR120

Model	Working bowl capacity	Dimensions	Weight	Power	Supply
WR30 Mini	30 l	540 x 240 x 300 mm	101 kg	0.28 kW	230 V
WR30	30 l	780 x 760 x 1180 mm	150 kg	0.28 kW	230 V
WR60 Mini	60 l	990 x 520 x 810 mm	211 kg	0.44 kW	230 V
WR60	60 l	1350 x 520 x 810 mm	266 kg	0.44 kW	230 V
WR120	120 l	1510 x 920 x 1200 mm	610 kg	1.7 kW	230 V



Explore more

Media

Symbol	Purpose/Application
N10E	Polishing silver with stainless steel balls
U11	Polishing gold
SZ4	Finishing non-ferrous metal (copper, brass, bronze, alpacca)
A5	Polishing gold in magnetic and vibratory polishing machines
A3	Polishing silver in magnetic and vibratory polishing machines
A7	Polishing non-ferrous metal (e.g. copper and its alloys)
V27	Anti-corrosive compound for steel
VILUX	Polishing silver in magnetic and vibratory polishing machines
A1	Pickling silver (CEROFIN)

Symbol	Purpose/Application
SK6	All-purpose grinding compound
U32	Polishing silver (CEROFIN)
B3	Grinding
V6	Finishing of stainless steel (polishing)
V9	Finishing steel
V10	All-purpose grinding compound
N51	Degreasing, washing off polishing pastes
GP20 powder	Smoothing silver in CEROFIN
GP 10 Powder	Smoothing gold in CEROFIN

Procelian Chips (Wet Process)



Stainless Steel Shots (Wet Process)



Plastic Chips (Wet Process)



Walnut Shells, Pastes (Dry Process)



Mass of Chips

Type of the chip	Machine	Plastic chip (kg)		Porcelain Media (kg)		Ceramic Media (kg)		Walnut Shell (kg)	Stainless Steel (kg)
		PPPS 10 - 15	PPPS 20	CMG CPM	Roll 6x15	CG 6x6	CG 15x15	H1-100 – H1-500	Mix
TE/EC	EC6	4	5	6	6	6	4	3	18
	EC10 / TC10	5	7	9	9	9	7	4	25
	TE 18	11	13	18	20	15	15	7	50
	TE30	20		34	40	32	30		
	TE60	45					60		-
W	WE6	5	4.5	8	8	7.5	7	-	20
	WE10	7	6.5	10	10	10	9	5	27
	W8	4.5	5	8	8	7	6.5	-	19
	W15	13	15	18	20	20	18	-	54
	W50	35	42	55	57		50	-	-
WR	W100	80	83	125	130		130	-	-
	WR20	-	-	-	-	-	-	-	60
	WR30	25	26		30	32	30	-	-
	WR60	40		63	65		55	-	-
	WR120	115			150	175	155	-	-

Rotation Speed

Machine	Min. RPM	Min. Hz	Max. RPM	Max. Hz	1 Hz = RPM
WE6	1800	30	3000	50	60
WE10	1800	30	3000	50	60
W8	1200	20	3000	50	60
W15	1200	20	3000	50	60
W50	1200	20	3000	50	60
W100	1200	20	3000	50	60
WR30	1050	35	1950	65	30
WR60	1050	35	1950	65	30
WR120	1050	35	1950	65	30
TE6	149,76	14,4	520	50	10,4
TE10	140,112	16,8	500,4	60	8,34
TE18	129,87	19,5	399,6	60	6,66
TE30	120	20	330	55	6
TE60	80	13,6	330	55,85	5,908683975
PM200S	566	10	2830	50	56,6
PM500	560	10	2800	50	56

Lunex Polish Machine

Jupiter



Lunex Machine is a newly developed grinding machine with automated frequency and PLC touch screen. It has a reliable and durable polyurethane bowl with adjustable speed and frequency control. The attached dosing pump with variable speed ensures consistent results in each process.

Features & Advantages:

- * Noise less & Zero pollution
- * PLC Touch Screen
- * Easy to operate & better surface finish
- * Speed & Time Variable
- * Auto Cutoff
- * Dosing pump with Variable speed
- * Water drainage System include
- * Media outlet

Specifications

Capacity	5 ltr	8 ltr	22 ltr
Power supply	230 V, single phase	230 V, single phase	230 V, single phase
Power consumption	1 kW	1.2 kW	1.6 kW
Bowl Material	Polyurethane	Polyurethane	Polyurethane
Controller	HMI with A/C Drive	HMI with A/C Drive	HMI with A/C Drive
Weight	100 kg approx	150 kg approx.	250 kg approx.
Bowl dimensions	337 x 110 x 165 mm	400 x 130 x 187 mm	525 x 190 x 255 mm
Machine dimensions	L 22" x W 24" x H 39"	L 24" x W 24" x H 40"	L 28" x W 32" x H 42"
Controller Dimensions	L 14" x W 14" x H 42"	L 14" x W 14" x H 42"	L 14" x W 14" x H 42"

Spinner Polish Machine

Saturn



Specifications

Capacity	18 ltr	23 ltr
Power supply	230 V, single phase	230 V, single phase
Power consumption	1.5 kW	1.5 kW
Capacity	Up to 2 kg	Up to 5 kg
Bowl Material	Polyurethane	Polyurethane
Controller	HMI with A/C Drive	HMI with A/C Drive
Weight	100 kg approx.	135 kg approx.
Bowl dimensions	ø 14" x H 12"	ø 16" x H 7.5"
Machine dimensions	L 21" x W 17" x H 27"	L 26" x W 22" x H 28"
Controller Dimensions	L 14" x W 15" x H 39"	L 15" x W 15" x H 43"

Explore more



Midas Vibro Machine

Mars



Specifications	VB01	VB02	VB03	VB05	VB07
Power supply	230 V, 1 Phase	230 V, 1 Phase	230 V, 1 Phase	230 V, 1 Phase	230 V, 1 Phase
Power consumption	250 W	500 W	750 W	1 kW	1 kW
Media S.S. capacity	12 kg	18 kg	25 kg	30 kg	40 kg
Article capacity upto	1 kg	2 kg	3 kg	5 kg	7 kg
Dimensions	14" x 18" x 20"	15" x 18" x 21"	15" x 22" x 23"	16" x 23" x 24"	17" x 24" x 28"
Bowl dimensions	11" x 5" x 6"	11" x 7" x 7"	15" x 7" x 7"	13" x 7" x 9"	20" x 7" x 9"
Bowl type	PU Lined	PU Lined	PU Lined	PU Lined	PU Lined



Magnetic Polisher

Pluto

Specifications	1 kg	2 kg
Power supply	230 V, single phase	230 V, single phase
Power consumption	750 W	1.5 kW
Bowl dimensions	10" x 8" (Acrylic)	12" x 8" (Acrylic)
Speed	1440 rpm	1440 rpm
Timer	Digital up to 99 mins	Digital up to 99 mins
Motion	Reverse/Forward	Reverse/Forward
Machine dimensions	L 14.5"x W 14"x H 16"	L 16"x W 17"x H 20"
Weight	45 kg approx.	61 kg approx.



Midas Dryer DM-18

Midas DM-18 Dryer is designed to dry objects of different shapes and sizes. It ensures accurate drying of polished parts, which is important for objects with shiny surfaces.

Features & Advantages:

- * M.S. body
- * Digital temperature controller
- * Digital time controller
- * Corn cob Media

Specifications	
Power supply	230 V AC, single phase
Power Consumption	3 kW
Basket Dimensions	17.5" x 13.5" x 3.5"
Dimensions	30" x 17" x 39"
Weight	75 kg approx.



Explore more

Bench Polishing Machines



EK 3



EK 4



EK 5



EK 6

Specifications	EK 3	EK 4	EK 5	EK 6
Polishing Motor Power	0.75 kW / 1 hp	0.75 kW / 1 hp	1.1 kW / 1 hp	2 x 1.1 kW / 1 hp
Vacuum Motor Power	0.75 kW / 1 hp	1.1 kW / 1.5 hp	2.2 kW / 4 hp	3 kW / 4 hp
Vacuum Suction Power	3500 m ³ /h	4500 m ³ /h	5500 m ³ /h	6300 m ³ /h
Motor Speed	2800 RPM	2800 RPM	2800 RPM	2800 RPM
Max. Brush Diameter	270 mm	270 mm	270 mm	270 mm
Number of Workers	1	2	2	2
Voltage	220 V/50-60 hz	220 V/50-60 hz	220-380 V/50-60 Hz	380 V/50-60 Hz
Emergency Stop	Yes	Yes	Yes	Yes
Light System	LED	LED	LED	LED
Case	Standard	Standard	Super Case	Super Case
Weight	74 kg	120 kg	180 kg	220 kg
External Dimensions	76 x 60 x 121 cm	113 x 70 x 122 cm	125 x 68 x 166 cm	145 x 68 x 167 cm
Front Case	-	-	125 x 52 x 123 cm	135 x 52 x 123 cm
Rear Case	-	-	125 x 54 x 165 cm	140 x 59 x 165 cm

Explore more





EK 7

Lapping Machine

Specifications

Polishing Motor Power	0.75 kW / 1 hp
Vacuum Motor Power	1.1 kW / 1.5 hp
Vacuum Suction Power	3500 m ³ /h
Motor Speed	2800 RPM
Max. Brush Diameter	270 mm
Number of Workers	1
Voltage	220 V/50-60 hz
Light System	LED
Weight	130 kg
External Dimensions	80 x 90 x 135 cm



Explore more



Angel Double Side Bench Polish



Specifications

Motor Power	550W, 220V 1 phase
Motor RPM	2800 rpm
Vacuum Motor Power	1.1 kW, 220V
Vacuum Motor Flow	1900 - 2700 m ³ /h
Dimensions (WxLxH)	60 x 86 x 116 cm
Weight	75 kg

Angel Single Side Bench Polish



Specifications

Motor Power	550W, 220V 1 phase
Motor RPM	2800 rpm
Vacuum Motor Power	1.1 kW, 220V
Vacuum Motor Flow	1900 - 2700 m ³ /h
Dimensions (WxLxH)	60 x 144 x 115 cm

Explore more



Elma Ultrasonic & Steam Cleaners

Elmasonic Easy



Machinery

Elmasonic Easy is an entry-level series of ultrasonic cleaning devices characterized by user-friendly operation and environmental friendliness. The series is designed for a variety of cleaning applications, and it offers features like eco mode for energy-efficient operation and dynamic mode for removing stubborn dirt. It comes with various accessories and is capable of utilizing specialized cleaning chemicals to achieve optimal cleaning results.

Applications:

- * Cleaning jewelry, watch components, straps, clasps, and cases
- * Cleaning of industrial components and parts
- * Cleaning of lab instruments

	Easy 10 H	Easy 20 H	Easy 30 H	Easy 40 H	Easy 60 H	Easy 100 H	Easy 120 H	Easy 180 H	Easy 300 H
Tank Capacity Max. (l)	0.9	1.6	2.7	3.9	5.9	9.5	12.9	17.8	27.5
Recommended Operating Capacity (l)	0.7	1.2	1.6	2.9	4.3	6.8	10.0	14.2	22.0
Max. Basket Loading (kg)	1.0	1.0	1.0	3.0	5.0	6.0	7.0	8.0	10.0
Power Consumption Total (W)	90	155	280	320	550	550	1000	1000	1500
Heating Power (W)	60	120	200	200	400	400	800	800	1200
Ext. Dimensions WxDxH (cm)	23.5x13.5x20	21.5x19x23	30.5x19x23	30.5x19x28	37x22.5x28	38x31.5x28	38x31.5x33	40.5x37.5x33	57.5x37.5x33
Interior Dimensions WxDxH (cm)	18.5x8x5.5	14x12.5x9.5	22x12x9.5	21.5x11.5x14.5	28x13x14.5	28x22x14.5	27.5x21.5x19.5	30x27x19.5	47.5x27x19.5
Basket Int. Dimensions WxDxH (cm)	15.5x7x3.5	11x10.5x5	19.5x10.5x5	19.5x10.5x9.5	25.5x10.5x9.5	25x19.5x9	25x19.5x13.5	28x25.5x13.5	45x25.5x13.5
Unit Weight with Cover (kg)	2.0	2.1	3.3	4.0	5.1	5.9	7.5	8.5	11.0

Explore more



Elmasonic Xtra



	Xtra 40	Xtra 60	Xtra 120	Xtra 180	Xtra 300
Total Volume (l)	5.0	6.3	14.2	19.7	30.0
Recommended Tank Operating Capacity (l)	4.0	5.1	12.1	16.7	25.4
Max. Basket Loading (kg)	3.0	5.0	7.0	8.0	10.0
Power Consumption Total (W)	540	560	1020	1260	1530
Ultrasonic Peak Power Max. (W)	560	640	880	1040	1320
Heating Power (W)	400	400	800	1000	1200
Ext. Dimensions WxDxH (cm)	43.5x21.5x33	50x21.5x33	50x31.5x38	53x38x38	70x38x38
Interior Dimensions WxDxH (cm)	23.5x13.5x15	30x13.5x15	30x23.5x19	33x29.5x19	50x29.5x190
Basket Interior Dimensions WxDxH (cm)	19.5x10.5x9.5	25.5x10.5x9.5	24.5x19.5x13.5	27.5x25.5x13.5	44.5x25.5x13.5
Unit Weight with Cover (kg)	6.8	7.9	11.3	13.2	17.8

Elmasteam Jet



Elmasteam 4.5 Basic / Basic HP

Elmasteam 8 Basic/ Elmasteam 8 optional

Elmasteam 8 Med

	Elmasteam 4.5 Basic	Elmasteam 4.5 Basic HP	Elmasteam 8 Basic	Elmasteam 8 Med
Max. Operating Pressure (bar)	4.5	4.5	8.0	8.0
Pressure Tank Capacity (l)	4.0	4.0	5.0	5.0
Max. Tank Capacity (l)	3.3	3.3	3.8	3.8
Power Consumption (W)	2800	2800	3120	3120
Steam Temp. - Tank (°C)	max. 155	max. 155	max. 185	max. 155
Steam Temp. - Nozzle (°C)	max. 135	max. 135	max. 160	max. 155
Dimensions WxDxH (cm)	25 x 32 x 42	29 x 32 x 42	31.5 x 35 x 52	31.5 x 35 x 52
Weight (kg)	6.75	6.75	20	20.0

Explore more



Logimec Ultrasonic & Steam Cleaner



Machinery

Model	Tank Capacity	Tank Dimension	External Dimension	Heating Power	Ultrasonic Max	Ultrasonic Frequency	Voltage
170H	1.7 l	15x13.5x10 cm	17.5x16x26 cm	150 W	140 W	26 kHz	230 V
270HD	2.75 l	24x13.7x10 cm	31.5x17.5x25.5 cm	250 W	150 W	26 kHz	230 V
430HD	5 l	24x13.7x17 cm	31.5x17.5x33 cm	250 W	300 W	26 kHz	230 V
570HD	6.5 l	30x15x17 cm	37.5x19x33 cm	500 W	300 W	26 kHz	230 V
950HD	10.5 l	30x24x17 cm	37.5x28x33.5 cm	500 W	550 W	26 kHz	230 V
1600HD	16 l	37.5x17.5x24 cm	52.5x29.5x42 cm	1500 W	800 W	38 kHz	230 V
25LT HD	25 l	35x25x30 cm	55x45x87 cm	1500 W	950 W	26 kHz	230 V
50LT HD	50 l	50x25x40 cm	70x45x92 cm	3000 W	1200 W	26 kHz	230 V
80LT HD	80 l	65x25x50 cm	81x49x95 cm	4500 W	1500 W	26 kHz	400 V Trifase +Neutro
90LT HD	92 l	54x40x43 cm	69x55x90 cm	4500 W	1500 W	26 kHz	400 V Trifase +Neutro
100LT HD	100 l	67x30x50 cm	81x49x95 cm	6000 W	1800 W	26 kHz	400 V Trifase +Neutro
200LT HD	200 l	70x50x55 cm	84x75x100 cm	6000 W	2800 W	26 kHz	400 V Trifase +Neutro

Steam Jets



E 5003



E 5004

Explore more



Eitan Steam Cleaners



LSE-6

A simple and effective solution for your jewellery cleaning problems.

Applications

- * Metal treatment for facing with various materials including the Light Cure method
- * Porcelain surface cleaning between firing steps.
- * Cleaning and rising in all processing stages.
- * Eliminates other cleaning procedures such as ultrasonic or detergents .



Specifications	LSE-6
Capacity	6 litres
Warm up time	15 - 20 mins
Voltage	110 V and 220 V
Dimensions (L x W x H)	55 x 22 x 42 cm
Net weight	20 kg

LSE-20/2-A

Powerful steam cleaner for the large jewellery manufacturers. Fast and effective cleaning tool for the high volume, around the clock production.

Applications

- * Metal treatment for facing with various materials including the Light Cure method
- * Porcelain surface cleaning between firing steps.
- * Cleaning and rising in all processing stages.
- * Eliminates other cleaning procedures such as ultrasonic or detergents .

Specifications	LSE-20/2-A
Capacity	20 litres
Warm up time	15 mins
Voltage	110 V and 220 V
Dimensions (L x W x H)	60 x 61 x 77 cm
Net weight	65 kg



Explore more



Features include

- * Large control panel which features
 - Forward and reverse buttons
 - Two further buttons to speed up and slow down rolling speed.
 - Low oil indicator
 - Lamp switch (if optional lamp has been chosen)
- * Variable speed as standard
- * Powerful 4kW motor
- * Heavy duty cast iron gearbox
- * Automatic lubrication to bearings
- * Quiet operation (Mill is almost silent)
- * Emergency stop buttons
- * Extension roller incorporating several half rounds
- * Steel base, constructed of thick steel plate for optimal strength and rigidity.

Optional

- * Roller gap meter
- * Work lights
- * Front coiler
- * Rear coiler

Safety

- * Emergency stop buttons
- * Safety bas at front and rear
- * Inverter safely stored inside guarding
- * Extension rollers behind the black covers of safety
- * Top covers, covering gears ensuring no one traps their fingers
- * CE marked. A must to prove the safety of the machine. Which in turn secures the safety of you and your workers.



FSM 160



DRM 130 Double side power

DRM 130



Manual Mills - DRM 130

- Highly efficient 5-1 gearbox
- One piece cast iron construction for maximum strength and rigidity
- Extension rollers with 4 half rounds
- Maintenance free bearings
- Large easy and read calibrated discs
- Can also be supplied without reduction gearbox

Explore more



Heavy Duty 2 Speed Double Head Rolling Mill



Specifications	RMDH 002	RMDH 003	RMDH 004
Rolls width x diameter	127 x 63.5 mm/ 5" x 2.5"	152 x 76 mm/ 6" x 3"	152 x 101 mm/ 6" x 4"
Wire grooves from - to	0.75 - 9	0.75 - 10	0.75 - 12
Max. sheet width can be rolled	80	100	100
Max. apertures of rolls	31	35	38
No. of half round grooves	2	2	2
Max. roller speed	9.42 m/min	11.66 m/min	14.5 m/min
Depth per rotation of starting	0.50	0.66	0.99
Power supply	1 hp/1.1 kW, single phase	2 hp/1.5kW, single phase	5 hp /3.75kW, 3 phase
Machine dimension	970 x 42 x 125 cm	122 x 72 x 160 cm	140 x 55 x 15 cm
Weight	345 kg	505 kg	600 kg



Explore more

H4 Gas Generator



Features

- * Electronic control of electrolyte liquid
- * Automatic control of working pressure
- * Safety pressure switch
- * Analogue instrumentation
- * Condensate collector and safety filter
- * 6-position power regulator

Technical Specifications

Gas Production	150 ltr/h
Power	1.55 kW
Power supply	230 V - 50/60 Hz
Weight	43 kg
Length	47 cm
Depth	32 cm
Height	45 cm

H12 Gas Generator



Features

- * Electronic control of electrolyte liquid
- * Automatic pressure control
- * Safety pressure switch
- * Digital instrumentation
- * Condensate collector and safety filter
- * 6-position power regulator
- * Automatic refill of distilled water
- * Wheeled structure



Technical Specifications

Gas Production	450 ltr/h
Power	4.5 kW
Power supply	380 V - 50/60 Hz
Weight	165 kg
Length	60 cm
Depth	75 cm
Height	90 cm



G9-550B Vertical and Horizontal - 9 Axis Machine



Midas
PLATINUM Series

- * **High metal recovery rate:** Up to 99.95%, minimizing precious metal waste.
- * **Stable and precise:** Cast iron body and German Alpha reducers used in the four and five axes for accuracy.
- * **Large tool capacity:** Holds 20 carving knives and 12 batch cutting knives.
- * **High-speed spindles:** Vertical spindle at 40,000 rpm, horizontal spindle at 60,000 rpm.
- * **Horizontal structure:** Enables automatic tool change and multi-angle batching.
- * **Easy programming:** intelligent software allows for one-click tool path generation.



Mechanical

Technical Specification

Spindle speed	Vertical Horizontal	3.7kW / 40000 rpm 2.5kW / 60000 rpm
Spindle tool holder specification	Vertical Horizontal	HSK E25 ISO10 T11
Spindle tool clamping range	Vertical Horizontal	ø 1 - 10 ø 1 - 7
Spindle chuck specification	Vertical Horizontal	ER16 ER11
Servo motor power	200W / 400W / 750W	
Repeating position accuracy	±0.003 mm	
XYZ axis reciprocating precision	±0.01/300 mm	
Working flatness	±0.005 mm	
XYZ1Z2 stroke	500 x 130 x 190 x 140	
Dimension (L x W x H)	115 x 113 x 210 cm	
Machine Weight	2000 kg	
Power	380V / 50Hz, 3 phase	



Explore more





Midas
PLATINUM Series

G5-350 Jewelry Carving & Milling - 5 Axis Machine

- * **Metal recovery:** High rate of 99.98%, minimizing waste.
- * **Compact:** Small footprint ideal for jewelry workshops.
- * **Tool capacity:** 20 tools in fully sealed internal magazine.
- * **Durable parts:** German Rexroth ball guide rails and screw rods.
- * **Stable structure:** Cast iron body with five-axes utilizing German Alpha reducer.
- * **Precise & efficient:** Japanese servo motor for high performance.



Technical Specification

Spindle speed	3.7kW / 40000 rpm
Tool handle specification	ISO20
Spindle tool clamping range	ø 1 - 10
Chuck specification	ER16
Servo motor power	400W
Repeating position accuracy	±0.005 mm
XYZ axis reciprocating precision	±0.01/300 mm
Working flatness	±0.015 mm
XYZ stroke	350 x 185 x 220
Dimension (L x W x H)	152 x 115 x 205 cm
Machine Weight	1500 kg
Power	380V / 50Hz, 3 phase

Explore more



6+2 Axis Double Head Hollow Pipe Cutting Machine

Applications:

- * Square pipe
- * Triangular pipe
- * Rectangle pipe
- * Solid wire
- * Hollow pipe



Mechanical

Technical Specification

Number of Milling Head	Vertical & horizontal
Type of Main Centre	Universal
Number of Axis	8 Axis T1- Right Rotating Job T2- Left Rotating Job B – Rotating Horizontal holder (360 Degree) Z – Cutting Depth for Jobs X – Longitude for Centering Jobs Y –Latitude for Centering Jobs H – Horizontal Tool Servo V– Vertical Tool Motor (with Pneumatic Tool Changing)
Type of Jobs	All Types of Hollow Pipe And Solid Bar (Silver, Brass And Gold -1mm to 8mm) Square Pipe Triangular Pipe Rectangle Pipe
Pipe dimensions	1 mm to 8 mm
Operating	Laptop Or Industrial PC
Designing software	Corel, AutoCAD, Art Cam (*.plt Format)
Milling Speed	Vertical – 60000 rpm (max) Horizontal – 12000 rpm (max)
Milling Spindle Motor	Vertical – 2.5 kw Horizontal – 400 w
Dimension (L x W x H)	34 x 46 x 70 in
Machine Weight	650 kg

Explore more



Horizontal Wire Faceting Machine



Applications:

- * Horizontal cutting on solid wire (0.4 To 6 mm)
- * Horizontal cutting on hollow pipe (0.6 To 6 mm)
- * Horizontal cutting on round chains
- * Horizontal cutting on ball chains



Technical Specification	
Number of Milling Head	Horizontal With 360 degree Manual
Type of Main Centre	Universal
Number of Axis	3+2 Axis A – Rotating Spindle X – Feed Axis B– Horizontal Tool Servo For Synchronal Operation Z – Cutting Depth for Jobs T – Wire Winding
Type of Jobs	Solid Round Wire (0.4 mm To 6 mm) Hollow Pipe (0.6mm To 6mm) Round Chains
Operating	Touch Screen HMI
Milling Speed	Horizontal – 10000 rpm (max)
Spindle Motor	Horizontal – 750 W Rotary Spindle – 1.5kW
Dimension (L x W x H)	30 x 48 x 54 in
Machine Weight	620 kg

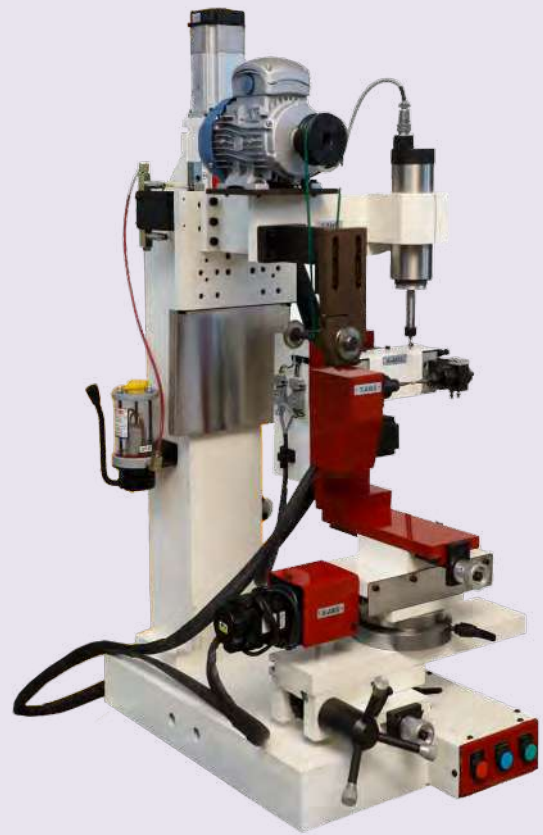
Explore more



4 Axis Double Head Ball Cutting Machine

Applications:

- * Spherical ball
- * Oval ball
- * Pipe (6mm -25mm)
- * Hollow ball
- * Bali & Tops
- * Flat & Half Round Bands



Mechanical

Technical Specification

Number of Milling Head	Horizontal and Vertical
Type of Main Centre	Universal
Number of Axis	4 Axis X – Longitude for Centering Jobs T – Rotating of Jobs A – Tilting Z – Cutting Depth for Jobs
Type of Jobs	Spherical Balls Oval Balls Pipe Capsule
Type of Optional Accessories	All Optional Accessories can be fitted for above type of Jobs
Designing software	Corel, AutoCAD, Art Cam (*.plt Format)
Milling Speed	Vertical – 24000 rpm (max) Horizontal – 12000 rpm (max)
Milling Spindle Motor	Vertical – 0.75KW Horizontal – 0.18KW
Dimension (L x W x H)	30 x 28 x 46 inches
Machine Weight	250 kg

Attachment



Explore more



Single Head Ball Faceting Machine with Auto Pick and Place



Applications:

- * All type of vertical cutting on spherical ball (2mm to 22mm) and oval ball with auto degree with automatic pick n place
- * Slash cutting on spherical ball (2mm to 22mm) and oval ball with auto degree
- * Dot cutting
- * C cutting
- * Football cutting
- * Pipe 4mm to 12mm length
- * All types of design possible



Mechanical

Explore more



Specification	5 axis	6 axis	7 axis	8 axis
Number of Milling Head	Vertical	Vertical	Vertical	Horizontal with 360 degree
Type of Main Centre	Universal			
Number of Axis	5 Axis T – Rotating of Jobs A – Tilting Z – Cutting Depth for Jobs X1 – Place Ball Z1– Pick Ball	6 Axis T – Rotating of Jobs X – Longitude for Centering Job A – Tilting Z – Cutting Depth for Jobs X1 – Place Ball Z1– Pick Ball	7 Axis T – Rotating of Jobs A – Tilting B – Rotating Horizontal holder (360 Degree) Z – Cutting Depth for Jobs C – Horizontal Tool Servo For Synchronal Operation X1 – Place Ball Z1– Pick Ball	8 Axis T – Rotating of Jobs A – Tilting B – Rotating Horizontal holder (360 Degree) X – Longitude for Centering Job Z – Cutting Depth for Jobs C – Horizontal Tool Servo For Synchronal Operation X1 – Place Ball Z1– Pick Ball
Type of Jobs	Round Ball (2 to 6mm) Oval Ball	Round Ball (2 to 6mm) Oval Ball Pipe length (4 to 12mm)	Round Ball (2 to 6mm) Oval Ball	Round Ball (2 to 12mm) Oval Ball, Capsule Pipe length (4 to 12mm)
Operating	Touch screen HMI			
Main Features	Auto Rejects Defects & Uneven Balls, Measuring Live Ball Size.			
Milling Speed	Vertical – 24000 rpm (max)	Vertical – 24000 rpm (max)	Horizontal – 10000 rpm (max)	Horizontal – 10000 rpm (max)
Milling Spindle Motor	Vertical – 800 KW	Vertical – 800 W	Horizontal – 400 W	Horizontal – 400 W
Dimension (L x W x H)	40 x 30 x 68 in	40 x 30 x 68 in	40 x 30 x 68 in	40 x 30 x 68 in
Machine Weight	450 kg	450 kg	450 kg	450 kg

Automatic Faceting Machine For Hollow Pipe

Applications:

- * Hollow Pipe
- * Solid Bar



Mechanical

Technical Specification

Number of Milling Head	Vertical
Type of Main Centre	Universal
Number of Axis	3 Axis T – Rotating of Jobs Z – Cutting Depth for Jobs X – Longitude for Centering Jobs
Type of Jobs	All Types of Hollow Pipe And Solid Bar (Silver, Brass And Gold -1mm to 6mm)
Operating	Laptop Or Industrial PC
Designing software	Corel, AutoCAD, Art Cam(*.plt Format)
Milling Speed	Vertical – 24000 rpm (max)
Milling Spindle Motor	Vertical – 0.75KW
Dimension (L x W x H)	33 x 35 x 50 in
Machine Weight	300 kg

Explore more



5+2 Axis Double Head Pendant Cutting Machine



Applications:

- * 3D pendants
- * 3D component
- * Plate Background
- * Bangles Elements
- * Jewelry Components



Technical Specification

Number of Milling Head	Vertical & Horizontal
Type of Main Centre	Universal
Number of Axis	7 Axis T – Tool Changing B – Rotating Horizontal holder (360 Degree) Z – Cutting Depth for Jobs X – Longitude for Centering Jobs Y – Latitude for Centering Jobs H – Horizontal Tool Servo V – Vertical Tool Motor (with Pneumatic Tool Changing)
Type of Jobs	Any Flat Plate Pendant Cutting Jali Cutting
Sheet Dimension	80mm x 280mm
Operating	Laptop Or Industrial PC
Designing software	Corel, AutoCAD, Art Cam(*.plt Format)
Milling Speed	Vertical – 60000 rpm (max) Horizontal – 12000 rpm (max)
Milling Spindle Motor	Vertical – 1.8 kw Horizontal – 400 w
Dimension (L x W x H)	34 x 46 x 70 in
Machine Weight	650 kg

Explore more



Semi Automatic Small Plate Faceting Machine



Mechanical

Bangle & Ring Sizer

- * 1 horsepower
- * 15 ton capacity
- * All metal model with manual operation lever and pressure gauge stable



Bismark Chain Coupling Machine

MBL 30



Automatic machine for coupling multi-pitch chains using laser systems.

PLC manages an adjustable speed cycle facilitating the machine adjustment during the tool change, which is simple and fast thanks to the adjustable self-centering passages and the quick repositioning of the machine groups.



Technical Specification	
Max width of finished chain	14 mm
Max height of finished chain	4 mm
Max pitch	15 mm
Production speed	600 welds/min
Lubrication	Forced lubrication
Pneumatic supply	5/6 bar
Power supply	230V ~ 50/60Hz, 1ph
Power consumption	150 VA
Dimensions	96 x 56 x 140-156 cm
Weight	110 kg

Optional:

- * Kit for chain up to 25 mm in width
- * Laser generator
- * Automatic chain unwinder
- * Tool box

Explore more



Side-Cut Cable Chain

MAS 30

High speed machine with Double Rack mechanism. Equipped with Induction motor, AC drive, Led lamp, Sturdy Metal stand, Forced Lubricating oil pump and Wire tensioner.

The machines comes fully installed with one size of tested carbide tooling.

Technical Specification	
Wire dimensions	0.20 - 1.00 mm
Speed	350 links/min
Lubrication	Forced lubrication
Power supply	220V ~ 50Hz, 1ph
Power consumption	0.5 kW
Dimensions	48 x 50.8 x 145 cm
Weight	170 kg



Mechanical

Box/Venetian Chain

MAV 30

High Speed Quality machine with Double Rack mechanism. Equipped with Induction motor, AC drive, Led lamp, Sturdy stand, Oil pump and wire tensioner.

The machines comes fully installed with one size of tested carbide tooling.

Best Suitable for Laser Bismark Coupling.

Technical Specification	
Wire dimensions	0.57 - 1.50 mm
Speed	350 links/min
Lubrication	Forced lubrication
Power supply	220V ~ 50Hz, 1ph
Power consumption	0.5 kW
Dimensions	48 x 50.8 x 145 cm
Weight	170 kg



Explore more

Left/Right Curb Chain

MTG 30



High speed machine with Left And Right curb in one single machine with pushing mechanism. Equipped with Induction motor, AC drive, LED lamp, sturdy stand, oil pump, air function and wire tensioner forced air mechanism.

The machines comes fully installed with one size of tested carbide tooling.

Technical Specification

Wire dimensions	0.25 - 0.80 mm
Speed	350 links/min
Lubrication	Forced lubrication
Power supply	220V ~ 50Hz, 1ph
Power consumption	0.7 kW
Dimensions	58 x 58 x 132 cm
Weight	152 kg

Cable Chain

MTA 30



High speed machine for cable chain with pushing mechanism. Equipped with Induction motor, AC drive, Led lamp, sturdy stand, oil pump, air function and wire tensioner.

The machines comes fully installed with one size of tested carbide tooling.

Technical Specification

Wire dimensions	0.16 - 0.80 mm
Speed	350 links/min
Lubrication	Forced lubrication
Power supply	220V ~ 50Hz, 1ph
Power consumption	0.7 kW
Dimensions	58 x 58 x 132 cm
Weight	152 kg

Explore more



Rolo Chain

MAR 30

High speed machine for Rolo chain with pushing mechanism. Equipped with Induction motor, AC drive, Led lamp, sturdy stand, oil pump and wire tensioner. The machines comes fully installed with one size of tested carbide tooling.

Compatible with bismark joining machine.

Technical Specification	
Wire dimensions	0.40 - 1.00 mm
Speed	350 links/min
Lubrication	Forced lubrication
Power supply	220V ~ 50Hz, 1ph
Power consumption	0.5 kW
Dimensions	48 x 50.8 x 145 cm
Weight	170 kg



Mechanical

Spiga Chain

MTS 30

High speed machine for Spiga chain with pushing mechanism. Equipped with Induction motor, AC drive, Led lamp, sturdy stand, oil pump, air function and wire tensioner.

The machines comes fully installed with one size of tested carbide tooling.

Technical Specification	
Wire dimensions	0.35 - 0.65 mm
Speed	150 links/min
Lubrication	Forced lubrication
Power supply	220V ~ 50Hz, 1ph
Power consumption	0.7 kW
Dimensions	58 x 58 x 132 cm
Weight	152 kg



Curb Chain

MTC 30



High speed machine for curb chain with pushing mechanism. Equipped with Induction motor, AC drive, Led lamp, sturdy stand, oil pump, air function and wire tensioner.

The machines comes fully installed with one size of tested carbide tooling.

Technical Specification

Wire dimensions	0.20 - 0.80 mm
Speed	350 links/min
Lubrication	Forced lubrication
Power supply	220V ~ 50Hz, 1ph
Power consumption	0.7 kW
Dimensions	58 x 58 x 132 cm
Weight	152 kg

Paper Clip Chain

MAP 30



High speed machine with Paper Clip Chain mechanism. Equipped with Induction motor, AC drive, Led lamp, sturdy Metal stand, Forced Lubricating oil pump and wire tensioner.

The machines comes fully installed with one size of tested carbide tooling.

Technical Specification

Wire dimensions	0.20 - 0.65 mm
Speed	250 links/min
Lubrication	Forced lubrication
Power supply	220V ~ 50Hz, 1ph
Power consumption	0.5 kW
Dimensions	48 x 50.8 x 145 cm
Weight	170 kg

Explore more



Double/Triple Curb/Cable Chain

MTD 30

High speed machine for Double/Triple curb /Cable chain with pushing mechanism. Equipped with Induction motor, AC drive, Led lamp, sturdy stand, oil pump, air function and wire tensioner.

The machines comes fully installed with one size of tested carbide tooling.

Technical Specification	
Wire dimensions	0.16 - 0.60 mm
Speed	160 links/min
Lubrication	Forced lubrication
Power supply	220V ~ 50Hz, 1ph
Power consumption	0.7 kW
Dimensions	58 x 58 x 132 cm
Weight	152 kg



Mechanical

Double Parallel Curb

MTP 30

High speed machine for Double Parallel curb chain with pushing mechanism. Equipped with Induction motor, AC drive, Led lamp, sturdy stand, oil pump, air function and wire tensioner.

The machines comes fully installed with one size of tested carbide tooling.

Technical Specification	
Wire dimensions	0.30 - 0.60 mm
Speed	120 links/min
Lubrication	Forced lubrication
Power supply	220V ~ 50Hz, 1ph
Power consumption	0.7 kW
Dimensions	58 x 58 x 132 cm
Weight	152 kg



Curb/Cable Chain (Large)

MTL 30



Automatic Machine for thick wire curb/cable chains. Equipped with DC motor, DC drive, Led lamp, Sturdy stand, Oil pump. The machines comes fully installed with one size of tested carbide tooling.

Technical Specification

Wire dimensions	0.80 - 2.00 mm
Speed	160 links/min
Lubrication	Forced lubrication
Power supply	220V ~ 50Hz, 1ph
Power consumption	0.7 kW
Dimensions	58 x 58 x 132 cm
Weight	285 kg

Curb/Cable Chain (XL)

MTX 30



Automatic Machine for thick wire curb/cable chains. Equipped with DC motor, DC drive, Led lamp, Sturdy stand, Oil pump. The machines comes fully installed with one size of tested carbide tooling.

Technical Specification

Wire dimensions	1.80 - 4.00 mm
Speed	100 links/min
Lubrication	Forced lubrication
Power supply	220V ~ 50Hz, 1ph
Power consumption	0.7 kW
Dimensions	58 x 58 x 132 cm
Weight	285 kg

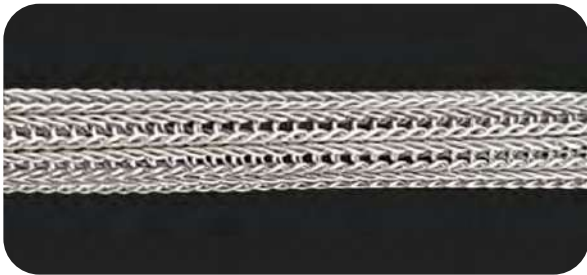
Explore more



RZ6 Stocking Mesh Chain Machine (Automatic)

4/6/8/12/16 Needles

Automatic high speed machine for the production of stocking mesh chain with 4/6/8/12/16 needles.



Mechanical

Technical Specification

Wire diameter	0.15 - 0.35 mm
Chain diameter	3 - 7 mm
Production links/min	250
Meters /H	2 max
Power	0.55 kW
Voltage	220V / 50-60Hz
Net weight	190 kg
Gross weight	280 kg
Dimension (L x W x H)	78 x 75 x 160 cm
Number of needles	4/6/8/12/16



Explore more



Hydraulic Auto Minting Press Auto Series



Features

- * Auto embossing & ejecting system
- * Electric operating PLC based control panel
- * Highest possible embossing forces
- * High stroke rate & faster production
- * Multiple stroke with variable forces and die lifting
- * Number of pieces embossed information display
- * Touch screen menu navigation
- * High/low-pressure system indicator
- * High guiding accuracy with best embossing result through high machine rigidity
- * Brilliant surface quality assure
- * Very good hydraulic efficiency
- * Well-proven, reliable, and long lasting

Technical Specification	HEPA 100	HEPA 150	HEPA 200	HEPA 250	HEPA 300	HEPA 350	HEPA 450
Max working thrust	100 tons	150 tons	200 tons	250 tons	300 tons	350 tons	450 tons
Max working pressure	350 Bar	350 Bar	350 Bar	350 Bar	350 Bar	350 Bar	350 Bar
Useful stroke	80 mm	80 mm	80 mm	80 mm	80 mm	100 mm	100 mm
Working speed (Stroke 50mm)	16 - 18 per minute	16 - 18 per minute	15 - 15 per minute	14 - 15 per minute	14 - 15 per minute	14 - 15 per minute	12 - 13 per minute
Height table ram	125 Mm	125 Mm	140 Mm	150 Mm	150 Mm	150 Mm	160 Mm
Bolster PL	365 x 345	415 x 415	480 x 480	510 x 510	560 x 550	700 x 600	750 x 655
Electric motor	3 hp	5 hp	7 hp	7 hp	10 hp	10 hp	15 hp
Oil tank capacity	60 l	80 l	100 l	150 l	200 l	200 l	250 l
Weight (approx.)	1150 kg	1720 kg	1900 kg	2510 kg	3200 kg	3890 kg	4600 kg

Explore more



Hydraulic Manual Minting Press Manual Series



Features

- * Electric operating PLC based control panel
- * Highest possible embossing forces
- * High stroke rate & faster production
- * Multiple stroke with variable forces and die lifting
- * Number of pieces embossed information display
- * Touch screen menu navigation
- * High/low-pressure system indicator
- * High guiding accuracy with best embossing result through high machine rigidity
- * Brilliant surface quality assure
- * Very good hydraulic efficiency
- * Well-proven, reliable, and long lasting

Hydraulic Manual Minting Press Manual Series HEP 50, HEP 100, HEP 150



Mechanical

Technical Specification	HEP 50	HEP 100	HEP 150
Max working thrust	50 tons	100 tons	150 tons
Max working pressure	350 Bar	350 Bar	350 Bar
Useful stroke	50 mm	50 mm	50 mm
Working speed (Stroke 50mm)	16 - 18 per minute	16 - 18 per minute	16 - 18 per minute
Height table ram	100 Mm	125 Mm	125 Mm
Bolster PL	250 x 250	365 x 345	415 x 415
Electric motor	2 hp	3 hp	5 hp
Oil tank capacity	40 l	60 l	80 l
Weight (approx.)	580 kg	980 kg	1440 kg



Hydraulic Manual Minting Press Manual Series

HEP 200, HEP 250



Technical Specification	HEP 200	HEP 250
Max working thrust	200 tons	250 tons
Max working pressure	350 Bar	350 Bar
Useful stroke	70 mm	80 mm
Working speed (Stroke 50mm)	15 - 15 per minute	14 - 15 per minute
Height table ram	140 Mm	150 Mm
Bolster PL	480 x 480	510 x 510
Electric motor	7 hp	7 hp
Oil tank capacity	100 l	150 l
Weight (approx.)	1630 kg	2250 kg

Hydraulic Manual Minting Press Manual Series

HEP 300, HEP 350, HEP 450



Technical Specification	HEP 300	HEP 350	HEP 450
Max working thrust	300 tons	350 tons	450 tons
Max working pressure	350 Bar	350 Bar	350 Bar
Useful stroke	80 mm	80 mm	100 mm
Working speed (Stroke 50mm)	14 - 15 per minute	14 - 15 per minute	12 - 13 per minute
Height table ram	150 Mm	150 Mm	160 Mm
Bolster PL	560 x 550	700 x 600	750 x 655
Electric motor	10 hp	10 hp	15 hp
Oil tank capacity	200 l	200 l	250 l
Weight (approx.)	2950 kg	3600 kg	4200 kg

Explore more



Dot Pin Marking Machine

Marking on materials from soft plastics to hard metals up to 60 HRC. High Speed Marking with operational reliability.

Automatically generates Serial numbers, Date, Time, Shift codes, QR Code, etc.

Marking geometrical shapes like square, circle, oval, rectangle.

Capable of marking customized logos & vector images. All system fonts are supported with special logo fonts.

Applications:

Gold & Silver Casted Bars, Name Plate, Automobile Components, Heavy Engineering, Pharmaceutical, Aero Space & Defence, Fabrication Engineering, Submersible Pumps & Motors Valve Bearings, Lock & Key and Many more.

Technical Specification

Marking area	6"x4" (150x100 mm)
Pin material	Carbide
Air pressure	5 to 6 Bar
Display	7" touch controller system
Marking depth	Up to 0.6 mm
Maximum pin stroke	Up to 10 mm
Power supply	240 V
Weight	75 kg

With compressor inbuilt



Mechanical

Hydraulic Coin Blanking Machine

HCP 12

- * Ideal for Gold & Silver blank cutting
- * Dual Mode Operation (Foot & Switch)
- * Stopper system for continuous cutting
- * Die fitting adjustment system with easy deposit drawer
- * Cutting adjustment for faster production

Technical Specification

Max working thrust	12 tons
Max working pressure	200 Bar
Useful stroke	75 mm
Working speed	15 - 18 per minute
Oil tank capacity	35 l
Cutting capacity	950 hours
Electricity	380/440 V
Weight	475 kg



Explore more



High Speed Die Cutting Machine

HSCP 3, HSCP 5



Features:

- * Faster production rate
- * Counting system
- * Low level micron pressure setter
- * Easy stroke adjustment

Technical Specification	HSCP 3	HSCP 5
Max working thrust	3 tons	5 tons
Max working pressure	150 Bar	150 Bar
Useful stroke	80 mm	80 mm
Working speed	80 - 150 per minute	80 - 150 per minute
Bolster PL	255 x 350	400 x 300
Electric motor	1 hp	2 hp
Oil tank capacity	20 l	20 l
Weight (approx.)	215 kg	260 kg

High Speed Die Cutting Machine

HSCP 25



- * Bangle sizing
- * Hallmarking signs
- * Gold & Silver bar cutting
- * Melted Gold & Silver ingot stamping
- * Silver paper impressions and sign
- * Pendants and etc.

Technical Specification	
Main electric motor	2 hp
Max working thrust	25 tons
Working speed stroke	15 - 18 per minute
Max working pressure	200 Bar
Weight	320 kg

Explore more



Hydraulic Stamping Press Multi Purpose



HSP 10



HSP 25

Mechanical

Applications:

- * Bangle sizing
- * Melted Gold & Silver ingot stamping
- * Hallmarking signs
- * Gold bar cutting
- * Silver paper impressions & signs

Technical Specification	HSP 10	HSP 25
Max working thrust	10 tons	25 tons
Max working pressure	200 Bar	200 Bar
Useful stroke	50 mm	50 mm
Working speed stroke	15 - 18 per minute	15 - 18 per minute
Bolster PL	310 x 160	596 x 431
Electric motor	1.5 hp	2 hp
Oil tank capacity	5 l	20 l
Weight (approx.)	120 kg	320 kg



Gold Wire Drawing Machine

4WD - 6WD



- * Transmission drive
- * Speed control drive
- * Cooling liquid tank and spray
- * Unwinding reel
- * Motorized winding reel with adjustable clutch

Technical Specification	4WD	6WD
Main motor	1.5 hp	2 hp
Cooling motor	0.25 hp	0.25 hp
Max. Wire diameter (gauge/mm)	20 / 0.91	18 / 1.22
Min. Wire diameter (gauge/mm)	36 / 0.91	36 / 0.91
Weight	255 kg	345 kg
Dimensions (L x W x H)	80 x 45 x 102 cm	110 x 63 x 102 cm

Gold Wire Drawing Machine

12WD



- * Heavy Duty Sturdy metal frame that holds the motor.
- * Transmission Drive.
- * Speed Control Drive.
- * Cooling liquid tank and sprayer.
- * The unwinding reel.
- * The motorized Winding Reel with Adjustable Clutch.
- * Steel Platform for longer durability of Machine



Technical Specification	
Main motor	3 hp
Cooling motor	0.25 hp
Max. wire diameter (Gauge/mm)	10/1.29
Min. wire diameter (Gauge/mm)	36/0.91
Weight	550 kg

Explore more





Midas
PLATINUM Series

CXT-I Tunnel Belt Metal Bright Annealing Welding Furnace



Mechanical

The high quality furnace tube and ultra stable heating system are more suitable for the work of long period of time.

Tunnel annealing welding furnace suitable for welding of combined K gold and silver parts and chains.

The machine is featured with easily handled combination of machine body, excellent thermal insulation furnace and mechanical transmission performance for maintaining the stability of high-purity protection gas. Also equipped with a mixed gas purification device for producing nitrogen by ammonia decomposition.

The machine is suitable for bright annealing of various metals and stampings, solid solution processing, connection welding and lead welding

Technical Specification

Power supply	380V, 3 phase
Power	13 kW
Max. temperature	950 °C
Working radius	1000 mm
Working slot	55 x 34 mm
Dimensions	270 x 60 x 150 cm

Explore more





Midas
PLATINUM Series

CXT-II Metal Bright Quenching Furnaces



The machine is featured with free oxidation, excellent heat treatment results, and long service life of the system

Featured with resistance heating, PID intelligent temperature control & 24-hour time switch, this machine is used for the heat treatment of jewelry, K gold jewelry, copper, silver, wires, and plate stamping parts.

Heat treatment under the action of protective gas, makes the surface of the workpiece highly bright without oxidation and coloring, eliminating stress and reaching commonly used standards.

The machine is equipped with a high-performance ammonia decomposition and hydrogen production system, which is a good assistant for oxidation-free heat treatment.

Technical Specification	200x100	250x150	300x200
Power supply	380V, 3 phase	380V, 3 phase	380V, 3 phase
Power	13 kW	16 kW	16 kW
Host frequency	50/60 Hz	50/60 Hz	50/60 Hz
Hearth size	200 x 100 x 850 mm	250 x 150 x 850 mm	300 x 200 x 850 mm
Ammonia decomposition furnace	3M ammonia decomposer	3M ammonia decomposer	3M ammonia decomposer
Max. temperature	950 °C	950 °C	950 °C
Dimensions	136 x 85 x 129 cm	136 x 85 x 129 cm	136 x 85 x 129 cm
Use gas	Ammonia, Petroleum gas	Ammonia, Petroleum gas	Ammonia, Petroleum gas

Explore more





Midas
PLATINUM Series

CXM G1/P1

Gold Bullion & Gold Ingot

Rapid Prototyping Machine

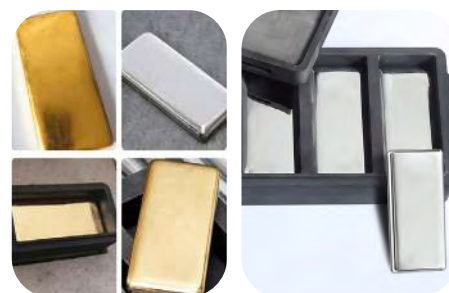
This machine can make pure gold plate, silver plate, gold ingot and silver ingot with different specification from 1 to 100 kg.

It is completely vacuum prototyping casting chamber. Crucibles are durable completely solving the problem of shrinkage, water wave and unevenness of gold plate.

The casting pieces made by this machine are even in surface without holes, oxidation and tinting.



Mechanical



Technical Specification

Power supply	3 phase, 380V
Power	within 15 kW
Melting time	6 - 9 minutes
Casting method	Once forming
Vacuum configuration	30 l/s
Applied materials	Gold, platinum, porpezite and pure silver
Metal capacity	1 kg - 5 kg
Applicable mold	Gold and silver plates, bars and ingots of national standard and self definition
Cooling water	Cooling water tank or cooling water machine
Dimensions	75 x 70 x 120 cm

Optional 6P water cooler, 30L vacuum pump

Pipe Annealing

Machine



Midas
GOLD Series

Specification

Power supply	220V, single phase
Power	15 amp
Annealing time	5 - 10 seconds
Casting method	Once forming
Applied materials	Gold, Silver
Max. pipe length	8.5 ft





Strip Rolling Mill Machine S/1/150G

Technical Specification

Roller width	150 mm
Roller diameter	130 mm
Sheet max.	19 - 0.7
Roller speed	40
Max. thickness	19 mm
Electric motor	2 hp
Power supply	3 phase
Weight	475 kg



Strip Rolling Mill Machine S/1/200G

Technical Specification

Roller width	200 mm
Roller diameter	130 mm
Sheet max.	19 - 0.7
Roller speed	40
Max. thickness	19 mm
Electric motor	3 hp
Power supply	3 phase
Weight	520 kg



Strip Rolling Mill Machine S/1/250G

Technical Specification

Roller width	250 mm
Roller diameter	130 mm
Sheet max.	19 - 0.7
Roller speed	40
Max. thickness	19 mm
Electric motor	5 hp
Power supply	3 phase
Weight	560 kg

Explore
more



5x3 - S/2/125 - Royal Midas Gold Rolling Mill

Technical Specification

Roller width	125 mm
Roller diameter	69 mm
Wire max.	10 - 0.8 mm
Sheet max.	15 - 0.2 mm
Roller speed	30 rpm
Electric motor	3 hp
Power supply	3 phase
Weight	260 kg



6x3 - S/2/150 - Royal Midas Gold Rolling Mill

Technical Specification

Roller width	150 mm
Roller diameter	77 mm
Wire max.	12 - 0.8 mm
Sheet max.	12 - 0.8 mm
Roller speed	30 rpm
Electric motor	3 hp
Power supply	3 phase
Weight	455 kg



Mechanical

6x4 - S/1/150 - Royal Midas Gold Rolling Mill

Technical Specification

Roller width	150 mm
Roller diameter	100 mm
Wire max.	15 - 0.8 mm
Sheet max.	15 - 0.2 mm
Roller speed	35 rpm
Electric motor	3 hp
Power supply	3 phase
Weight	525 kg



Explore more





8x4 - S/2/200 - Royal Midas Gold Rolling Mill

Technical Specification

Roller width	200 mm
Roller diameter	100 mm
Wire max.	14 - 0.8 mm
Sheet max.	14 - 0.8 mm
Roller speed	30 rpm
Electric motor	5 hp
Power supply	3 phase
Weight	855 kg



8x4 - S/1/200 - Royal Midas Gold Rolling Mill

Technical Specification

Roller width	200 mm
Roller diameter	100 mm
Wire max.	15 - 0.8 mm
Sheet max.	15 - 0.2 mm
Roller speed	35 rpm
Electric motor	5 hp
Power supply	3 phase
Weight	590 kg



6x5 - S/1/150 - Active Midas Gold Rolling Mill (With Chiller)

Technical Specification

Roller width	150 mm
Roller diameter	130 mm
Wire max.	15 - 0.2 mm
Max. thickness	15 mm
Roller speed	30 rpm
Electric motor	3 hp
Power supply	3 phase
Weight	525 kg



8x5 - S/1/200 - Active Midas Gold Rolling Mill (With Chiller)

Technical Specification

Roller width	200 mm
Roller diameter	130 mm
Wire max.	15 - 0.2 mm
Max. thickness	15 mm
Roller speed	30 rpm
Electric motor	3 hp
Power supply	3 phase
Weight	620 kg



Mechanical

10x5 - S/1/250 - Active Midas Gold Rolling Mill (With Chiller)

Technical Specification

Roller width	250 mm
Roller diameter	130 mm
Wire max.	15 - 0.2 mm
Max. thickness	15 mm
Roller speed	30 rpm
Electric motor	5 hp
Power supply	3 phase
Weight	670 kg



Explore more





Midas
PLATINUM Series

5.5P Precision Rolling Mill

Specification

Motor	4 kW
Voltage	3 phase 380V
Roller speed	9 m/min
Output thickness	25 - 0.1 mm
Roller material	MC5
Roller hardness	HRC 62-64
Roller size	ø108 x 180 mm
Lubrication system	Bearing bush grease lubricated
Dimension (L x W x H)	116 x 64 x 137 cm
Weight	630 kg

7.5P Precision Rolling Mill

Specification

Motor	5.5 kW
Voltage	3 phase 380V
Roller speed	7.4 m/min
Output thickness	25 - 0.1 mm
Roller material	MC5
Roller hardness	HRC 62-64
Roller size	ø132 x 180 mm
Lubrication system	Bearing bush grease lubricated
Dimension (L x W x H)	134 x 75 x 142 cm
Weight	800 kg

Mechanical

Explore more





Midas
PLATINUM Series

7.5P Ultraprecision Numerical Control Rolling Mill (With Magnetic Power Clutch Coiler)

Specification

Motor	5.5 kW
Voltage	3 phase 380V
Servo motor	0.85 kW
Roller speed	7.4 m/min
Output thickness	25 - 0.1 mm
Roller material	MC5
Roller hardness	HRC 62-64
Roller size	ø132 x 180 mm
Lubrication system	Bearing bush grease lubricated
Magnetic powder coiler	5kg: OPC-050, 10kg: OPC 100 (Optional)
Winding motor	5kg: 1100W, 10kg: 2200W
Dimension (L x W x H)	142 x 135 x 160 cm
Weight	1100 kg



Mechanical

10P Precision Rolling Mill



Specification

Motor	7.5 kW
Voltage	3 phase 380V
Roller speed	8.5 m/min
Output thickness	30 - 0.1 mm
Roller material	MC5
Roller hardness	HRC 62-64
Roller size	ø151 x 250 mm
Lubrication system	Bearing bush grease lubricated
Dimension (L x W x H)	143 x 76 x 150 cm
Weight	1200 kg



Explore more





Midas
PLATINUM Series

10P Ultraprecision Numerical Control Rolling Mill (With Magnetic Power Clutch Coiler)



Specification

Motor	7.5 kW
Voltage	3 phase 380V
Servo motor	0.85 kW
Roller speed	8.5 m/min
Output thickness	30 - 0.1 mm
Roller material	MC5
Roller hardness	HRC 62-64
Roller size	ø151 x 250 mm
Lubrication system	Bearing bush grease lubricated
Magnetic powder coiler	5kg: OPC-050, 10kg: OPC 100 (Optional)
Winding motor	5kg: 1100W, 10kg: 2200W
Dimension (L x W x H)	143 x 135 x 165 cm
Weight	1800 kg

15P Precision Rolling Mill



Specification

Motor	11 kW
Voltage	3 phase 380V
Roller speed	7.4 m/min
Output thickness	30 - 0.1 mm
Roller material	MC5
Roller hardness	HRC 62-64
Roller size	ø180 x 250 mm
Lubrication system	Bearing bush grease lubricated
Dimension (L x W x H)	153 x 84 x 160 cm
Weight	1700 kg

Explore
more





Midas
PLATINUM Series

15P Ultra-precision Numerical Control Rolling Mill

Specification	
Motor	11 kW
Voltage	3 phase 380V
Servo motor	1.3 kW
Roller speed	7.4 m/min
Output thickness	30 - 0.1 mm
Roller material	MC5
Roller hardness	HRC 62-64
Roller size	ø180 x 250 mm
Lubrication system	Bearing bush grease lubricated
Dimension (L x W x H)	153 x 84 x 175 cm
Weight	1800 kg



Mechanical

15P Four Roller Ultra-precision Numerical Control Rolling Mill



Specification	
Motor	11 kW
Voltage	3 phase 380V
Servo motor	1.3 kW
Roller speed	20 m/min
Output thickness	0.5 - 0.006 (60mm width copper strip)
Output tolerance	≤ ±0.002 mm
Working roller	DC53 ø52 x 200 mm, HRC 60-63
Supporting roller	Cr12MoV ø200 x 200 mm, HRC 58-60
Lubrication system	Bearing bush grease lubricated
Dimension (L x W x H)	157 x 117 x 182 cm
Weight	2000 kg



Explore more



Midas
PLATINUM Series

7.5P Double Head Strip & Wire Rolling Mill



Specification

Motor	5.5 kW
Voltage	3 phase 380V
Roller speed	18.3 m/min
Wire size	20x20 - 1x1 mm (Hexagon)
Strip thickness	1 - 20 mm
Roller material	Cr12MoV
Roller hardness	HRA 60-62
Roller size	ø132 x 228 mm
Lubrication system	Bearing bush grease lubricated
Dimension (L x W x H)	142 x 70 x 143 cm
Weight	1500 kg

10P Double Head Strip & Wire Rolling Mill



Specification

Motor	7.5 kW
Voltage	3 phase 380V
Roller speed	18.3 m/min
Wire size	0.7 - 14 mm
Strip thickness	1 - 20 mm
Roller material	Cr12MoV
Roller hardness	HRA 60-62
Roller size	ø151 x 250 mm
Lubrication system	4L Electric Gear Pump & Bearing Bush Grease Lubricated
Dimension (L x W x H)	160 x 77 x 150 cm
Weight	2200 kg

Explore more





Midas
PLATINUM Series

4P Precision Tungsten Carbide Rolling Mill (With Torque Motor Coiler)



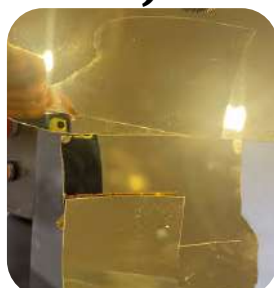
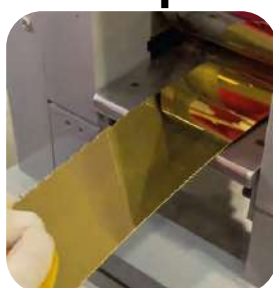
Specification

Motor	3 kW
Voltage	3 phase 380V
Roller speed	5.5 m/min
Output thickness	5 - 0.1 mm
Roller material	Tungsten Carbide
Roller hardness	HRC 92-93
Roller size	ø98 x 120 mm (Carbide length 90mm)
Lubrication system	Bearing bush grease lubricated
Dimension (L x W x H)	92 x 102 x 130 cm
Weight	500 kg



Mechanical

5.5P Precision Tungsten Carbide Rolling Mill (With Torque Motor Coiler)



Specification

Motor	4 kW
Voltage	3 phase 380V
Roller speed	9.4 m/min
Output thickness	20 - 0.1 mm
Roller material	Tungsten Carbide
Roller hardness	HRA 92-93
Roller size	ø123 x 152 mm (Carbide length 120mm)
Lubrication system	Bearing bush grease lubricated
Dimension (L x W x H)	132 x 116 x 137 cm
Weight	630 kg



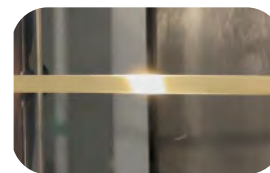
Explore more





Midas
PLATINUM Series

7.5P Precision Tungsten Carbide Rolling Mill (With Magnetic Power Clutch Coiler)



Specification

Motor	5.5 kW
Voltage	3 phase 380V
Roller speed	7.4 m/min
Output thickness	25 - 0.1 mm
Roller material	Tungsten Carbide
Roller hardness	HRA 92-93
Roller size	ø132 x 180 mm
Lubrication system	Bearing bush grease lubricated
Magnetic powder coiler	5kg: OPC-050, 10kg: OPC 100 (Optional)
Winding motor	5kg: 1100W, 10kg: 2200W
Dimension (L x W x H)	158 x 135 x 142 cm
Weight	1100 kg

7.5P Ultraprecision Numerical Tungsten Carbide Rolling Mill (With Magnetic Power Clutch Coiler)



Specification

Motor	5.5 kW
Voltage	3 phase 380V
Servo motor	0.85 kW
Roller speed	7.4 m/min
Output thickness	25 - 0.1 mm
Roller material	Tungsten Carbide
Roller hardness	HRA 92-93
Roller size	ø132 x 180 mm
Lubrication system	Bearing bush grease lubricated
Magnetic powder coiler	5kg: OPC-050, 10kg: OPC 100 (Optional)
Winding motor	5kg: 1100W, 10kg: 2200W
Dimension (L x W x H)	142 x 135 x 160 cm
Weight	1100 kg

Explore more





Midas
PLATINUM Series

10P Precision Numerical Tungsten Carbide Rolling Mill

Specification

Motor	7.5 kW
Voltage	3 phase 380V
Roller speed	8.5 m/min
Servo motor	0.85 kW
Output thickness	30 - 0.1 mm
Roller material	Tungsten Carbide
Roller hardness	HRA 92-93
Roller size	ø151 x 250 mm
Lubrication system	Bearing bush grease lubricated
Dimension (L x W x H)	143 x 76 x 165 cm
Weight	1300 kg



Mechanical

Tube Core Loose Machine

Specification

Motor	0.37 kW
Voltage	3 phase 380V
Dimension (L x W x H)	70 x 50 x 95.5 cm
Weight	150 kg



Explore more





Midas
PLATINUM Series



2P Slitting Machine (With Torque Motor Coiler)

Specification

Main motor	1.5 kW, 380V
Coiler motor	120 W
Slitting knife hardness	HRC 60
Slitting knife material	Customized
Slitting thickness	1 ~ 0.1 mm
Slitting width	≤ 100mm (Customized)
Slitting speed	0 ~ 20 r/min (Frequency control)
Dimension (L x W x H)	136 x 77 x 120 cm
Weight	300 kg



Sheet Shear Machine

Specification

Sheet thickness	0.20 to 1.00 mm
Width range	4 - 100 mm
Voltage	380 V
Power	750 W
Dimensions (L x W x H)	136 x 77 x 120 cm
Included 5 set blade	

12 Dies Wire Drawing Machine



Specification

Motor	4 kW
Voltage	3 phase 380V
Drawing speed	89 m/min
Wire size	1.5 - 0.2 mm
Drawing cone material	Cr12Mov
Drawing cone hardness	HRC 60-62
Dimension (L x W x H)	170 x 78 x 136 cm
Weight	550 kg



Explore
more





Midas
PLATINUM Series

3.8M Pneumatic Tube Drawing Machine



Specification

Motor	4 kW
Voltage	3 phase 380V
Effective distance	2.1 m
Tube drawing size	≤ 13 mm
Wire drawing size	≤ 10 mm
Drawing speed	9 m/min
Electric cooling pump	3phase 380V 60W
Dimension (L x W x H)	385 x 58 x 98 cm
Weight	1100 kg



Mechanical

Hydraumatic Tube Drawing Machine



Specification

Motor	7.5 kW
Voltage	3 phase 380V
Effective distance	1.5 m
Tube drawing size	≤ 30 mm (K gold, 0.25mm per draw)
Wire drawing size	≤ 30 mm (K gold, 0.15mm per draw)
Drawing speed	0.5 m/min
Electric cooling pump	3phase 380V 60W
Hydraulic Station	1.5 kW
Dimension (L x W x H)	280 x 85 x 120 cm
Weight	700 kg



Explore more





Midas
PLATINUM Series

Single Head Tube Welding Machine

Specification

Motor	1.5 kW
Voltage	3 phase 380V
Tube die size	ø 4 - 11.5
Tube die amount	Customized 1 set
Tube die hardness	HRC 52
Die Speed	17 r/min
Argon welder	220V - 200A - 1 set
Dimension (L x W x H)	123 x 51 x 116 cm
Weight	400 kg

Double Head Tube Welding Machine

Specification

Motor	1.5 kW
Voltage	3 phase 380V
Tube die size	ø 4 - 11.5
Tube die amount	Customized 2 set
Tube die hardness	HRC 52
Die Speed	17 r/min
Argon welder	220V - 200A - 2 set
Dimension (L x W x H)	150 x 74.6 x 165 cm
Weight	600 kg

Mechanical

Explore more





Midas
PLATINUM Series

Small Size Bead Making Machine

Specification

Motor	3 kW
Voltage	3 phase 380V
Bead diameter	ø 2 - 6 mm
Bead making speed	3400 beads/hour
Dimension (L x W x H)	65 x 60 x 123 cm
Weight	600 kg



Mechanical

Large Size Bead Making Machine



Specification

Motor	3 kW
Voltage	3 phase 380V
Bead diameter	ø 6 - 14 mm
Bead making speed	3400 beads/hour
Dimension (L x W x H)	65 x 60 x 123 cm
Weight	600 kg



Explore more





Midas
PLATINUM Series

Bead Polishing Machine



Specification

Motor	1.5 kW
Voltage	3 phase 380V
Bead size	Customized
Dimension (L x W x H)	62 x 42 x 89 cm
Weight	200 kg

Explore more



Mechanical

Tube Necking Machine



Specification

Motor	3 kW
Voltage	3 phase, 380V
Max. Diameter	ø 12 mm
Min. Diameter	ø 2 mm
Necking ratio	≤ 50%
Die material	D2 HRC60-62
Die length	100 mm
Lubricating system	3 phase electric pump
Dimension (L x W x H)	73 x 48 x 105 cm
Weight	350 kg

Explore more



Berkem Plating Solutions

BERKEM
performance in plating

Precious Solution for Pen and Bath Plating



Pen Plating



Bath Plating



Berkem Precious Plating Solutions offers high-quality electroplating products tailored for the jewelry and fashion accessories industries. Renowned for their precision, durability, and brilliant finishes, Berkem's solutions ensure excellent adhesion, uniform coverage, and long-lasting brilliance, making them ideal for both decorative and functional applications.

These precious galvanic solutions are chemical formulations designed for metal surface treatments, utilizing precious metals sourced from sponges, ingots, and sheets of the highest purity. By harnessing the properties of these metals, Berkem's electrochemical solutions effectively transfer them onto treated objects through sedimentation.



Au
Yellow 1N-14k



Au
Yellow 2N-18k



Au
Yellow 3N



Au
Yellow 4N



Au
Yellow 5N



Au
Pink 6N



Au
Yellow 24k



Au
Light Brown



Au
Dark Brown



Ru
Light Gray



Ru
Dark Gray



Ru
Extra Black



Pd
White



Pt
White



Rh
White 110



Rh
White 120



Rh
White 140



Rh
Black



Rh
Blue



Au
Green



Ag
White

Consumables



Watch
Video



Explore
more

CLEANOR

Pre-treatment



Ultrasonic Degreasing

CLEANOR 100 is a line of electrolytic degreasing with high performances used to prepare and activate the surface of metallic substrates prior to electroplating.



Electrolytic Degreasing Solution

CLEANOR 100 is a line of electrolytic degreasing with high performances used to prepare and activate the surface of metallic substrates prior to electroplating.



Neutralizing and Activator Solution

CLEANOR 100 is a line of electrolytic degreasing with high performances used to prepare and activate the surface of metallic substrates prior to electroplating.

Pre-treatment Process

Ultrasonic Degreasing



CLEANOR 201P (40 g/l)
120 sec
70 °C



Electrolytic Degreasing



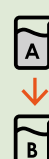
CLEANOR 101P or
CLEANOR 101 (80 g/l)
120 sec
Room temp.
6.5 V
Steel



Neutralizing



CLEANOR 301
15 sec
Room temp.



A Rinse
Tap water
5-10 sec
Room temp.

B Rinse
Demineralized water
5-10 sec
Room temp.

STILOR 100

Pen Plating Machine



Stilor 100



Stilor 100S

STILOR 100 is the exclusive and compact pen plating machine, for precise plating to decorate the surrounding zones and details, perfect to carry out repairs, which can also perform the degreasing of the pieces.

- * 1 easy to handle titanium pen (STILOR 103 Evo) with tips
- * 2 cables (black and red) and crocodile plug
- * 2 pyrex beakers of 25 ml for plating solutions
- * 2 PET glasses of 25 ml
- * 1 pyrex beaker of 100 ml with Ti/Pt anode for the degreasing process

STILOR 100S is a satellite unit that connects to STILOR 100, making it a small bath plating system equipped with four 150 ml glass beakers and Ti/Pt anodes.

Watch Video



Explore more



CATAFOR® 600

The New Era of Luxury Cataphoretic Coatings by Berkem

Cutting-edge cataphoretic lacquer line developed for the high-end jewelry and fashion accessory industries. A solution that delivers outstanding surface protection and aesthetic brilliance.

Easy Application

- * Ready-to-use or concentrated
- * Self-limiting, even thickness
- * Easy to manage

Superior Performance

- * Non-yellowing, excellent on silver
- * Up to 5 H hardness
- * Abrasion-resistant

Ecofriendly

- * Low curing temps (from 125°C)
- * Low VOC, no heavy metals
- * Compatible with post dyeing



Whitenor

**Platinum- Ruthenium solution for bath plating (ready to use).
Bright white deposit**



WHITENOR 102 is the surprising Berkem process for Platinum-Ruthenium-based decorative and thickness galvanic baths that guarantees extremely white and shiny deposits perfect alternative to rhodium, pure platinum and palladium solutions. The shiny white color is free of any yellowish reflections.

Berkem Anodes



SPARE 304-ANTIPT10X5
Ti/Pt anode for
GALVALINK



SPARE 304-ANTIPT20X5
Ti/Pt anode for
GALVALINK



SPARE 305-ANST302BS
Stainless steel anode for
GALVALINK



ANODE 206Ni
Nickel - electrolytic
anode



PLATIFUSION 500C
Cylindrical platinized
titanium anode
2.5µm (1 - 5 l beakers)



Watch
Video



Explore
more

COLORIT Enamelling System



COLORIT



Basic White
(PAN White C)



Deep Yellow
(PAN 108 C)



Trend Blueberry
(PAN 19-2820 TPX)



Eyefect Saphyre XL
on Deep Black



Deep Black
(PAN Black 6 C)



Basic Yellow
(PAN 116 C)



Trend Orange
(PAN 1655 C)



Trend Raspberry
(PAN 19-1860 TPX)



Eyefect Amber XL
on Deep Black



Pearl Red
on Deep Black



Deep Red
(PAN 200 C)



Trend Pink
(PAN 205 C)



Trend Raspberry
Cream
(PAN 16-1715 TPX)



Eyefect Malachit
on Deep Black



Pearl Green
on Deep Black



Deep Blue
(PAN Reflex Blue C)



Trend Sky Blue
(PAN 301 C)



Trend Mocca
(PAN 19-1217 TP)



Eyefect Jade
on Deep Black



Pearl Blue
on Deep Black



Deep Green
(PAN 561 C)



Trend Kiwi
(PAN 360 C)



Trend Coffee Liqueur
(PAN 18-0930 TPX)



Crash Ice
on Deep Black



Pearl White
on Deep Black



Trend Lime Punch
(PAN 13-0550 TPX)



Trend Ice Blue
(PAN 315 C)



Trend Coffee Latte
(PAN 15-1116 TPX)



Gun Powder
on Deep Black



H + M

The modern ColorIt gives the designers countless opportunities to produce distinctive and colorful creations.

The color-fast tones are available in a number of nuances and can also be freely mixed, giving you virtually limitless design possibilities.

ColorIt composite material with ceramic reinforcement can be applied quickly and easily, hardened permanently under blue light and ground and polished mechanically.

The material is adhesion, shock and wear resistant, making it ideal for high-quality and individual designs.



Features







- * Composite material with ceramic reinforcement
- * Bio-compatible and patented
- * Quick and easy to process, grind and polish
- * Adhesion-, scratch-, shock- and wear-resistant
- * Can be sterilised. Meets medico-technical requirements
- * Colour-fast and UV-stable
- * Finished workpieces can be galvanised
- * High-quality and individual color design
- * Resistant to acids, alkalis and many solvents

Explore
more



MasterIX MasterWax

Masterwax line offers high-performance injection waxes, each engineered for specific production needs. Masterwax products deliver outstanding results across various applications, including intricate and delicate models guaranteeing superior casting outcomes.

Wax		Temp	Suitable for
	Universal Blu	Thin models: 80 °C Massive models: 70 °C Standard models: 78 °C	Ideal for both filigree and massive objects, offering fluidity, elasticity, strength, and low shrinkage.
	Massive Green	78 °C	Ideal for massive objects with sharp details and no air bubbles.
	Extra fluid Red	78 °C	Extremely fluid wax , designed for large filigree pieces with thicknesses of 0.2 mm
	Master-One Turquoise	72 °C	Designed for flat work pieces which require low shrinkage, and for large & medium-sized pieces, as it solidifies fast
	Dark Diamond	78 °C	Rigid , hard and resistant to breakage perfect for settings and fine jewelry.
	IdroWax	72 °C	Water-soluble wax, to create 3D models hollow inside.
	Sprue Wax	61 °C	Ideal for sprues, offers low melting point, high fluidity, and quick outflow during casting.



Premium Wax Product Range



Finest Filigree - R36WF
Injection Temp: 68°C / 155°F



Finest Filigree is specifically designed for injecting detailed patterns and providing a wax that is flexible and strong enough to enable removal from the mould without damage. Finest filigree is also recommended for stone in place setting.

General Purpose - R37WF
Injection Temp: 65°C / 150°F



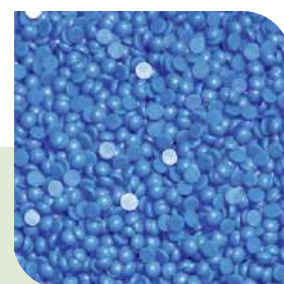
General Purpose wax is a formulation which is suitable for most jewellery designs. This product has a balanced set of characteristics for the most demanding wax applications, with good flow, low shrinkage and easy to read. This wax is available in aqua, burgundy and turquoise.

R1 Burgundy - Injection
Temp: 71°C / 160°F



Type R1 is a high quality economic all purpose wax that covers a variety of applications, R1 is formulated to produce wax patterns with a high level of surface finish and detail reproduction across a wide range of item cross sections and designs.

Type R32WP Injection
Temp: 69°C / 156°F



R32WP has a high flexibility, low hardness and is ideal for most patterns produced in the modern wax room.

Technical Data	R32WP
Flow (cPs)	192
Hardness (N)	180.8
Flexibility (N)	425
Solidification Point (°C)	64
Linear Shrinkage (%)	1.81
Injection Temp. (°C)	69



Golden River wax additive makes jewellery injection waxes flow like water !

With Golden River wax additive, there is no need to change waxes or clean out your wax pot with all the work, mess and delay that it causes. Just add a handful or two of Golden River wax additive to your current pot and see the improved flow almost immediately. Later you can add more of your original wax to return to normal conditions.

Explore more





Castaldo Natural Rubbers

Castaldo Jewelry Natural Molding Rubber has been the industry standard for more than 40 years and continues to be the best jewelry molding rubber available for lost wax jewelry casting.

Castaldo White Label

Has a high concentration of pure natural gum rubber, which makes it resilient and pliable, qualities that experienced mold-makers value to produce high-quality molds in the shortest time.

Physical Properties

Shore A Hardness	42 +/- 2
Vulcanizes at	152°C / 307°F
Rubber Shrinkage	2.3%
Break Elongation	688%
Break Tensile Strength	Very Strong 2,215 psi 15.3 n/mm ²
Break Tear Strength	137 lb./in. 24 n/mm ²
Uses	Strong, Firm Molds



Castaldo Gold Label

Contains even higher concentration of pure natural gum rubber, making it softer and more pliable. The superior qualities of this compound can save on labour costs when used for difficult molds containing undercuts, where a stiffer mold would break delicate wax patterns or would make their production impossible.

Physical Properties

Shore A Hardness	37 +/- 2
Vulcanizes at	152°C / 307°F
Rubber Shrinkage	2.1%
Break Elongation	706%
Break Tensile Strength	Very Strong 2,475 psi 13.9 n/mm ²
Break Tear Strength	134 lb./in. 23.4 n/mm ²
Uses	Strong, Flexible Molds



Consumables

Jewelry Mold Release Spray

Castaldo Jewelry Mold Release Spray is a pure silicone oil aerosol designed to release wax patterns from rubber or metal molds.

It's safe, non-toxic, colorless, odorless, greaseless, and long-lasting. Free of CFCs and VOCs (volatile organic chemicals), it won't damage natural rubber molds like White Label® or Gold Label®.



Explore more





Castaldo LiquaFast ICE RTV

Rapid molds for rapid prototypes. Finished molds in as little as 30 minutes.

No Heat - No Pressure - No Shrinkage - No Waiting

New LiquaFast™ ICE from Castaldo® is transparent two part 0% shrinkage RTV silicone molding rubber that cures very rapidly at normal room temperature and cures faster at slightly warmer temperatures.

Physical Properties

Appearance	Transparent, blue
Shrinkage	0.0 %
Working time at 23 °C/73 °F	15 minutes
Setting time at 23 °C/73 °F	60 - 90 minutes
Setting time at 50 °C/120 °F	30 minutes
Hardness	40 - 43 Shore A
Cure system	Platinum
Mixing ratio	1 : 1 by weight
Viscosity	8500 cps
Tensile strength	3.5 ±0.5 N/mm ² , 508 ±73 psi
Tear strength	9 ±2.0 N/mm ² , 108 ±11 psi
Density	Specific gravity 1.12
Shelf life	8 months

Explore more



Zhermack RTV2



Zhermack
Industrial

Zhermack RTV2 poly addition silicone rubbers are particularly suited to the lost wax casting process commonly used in the jewellery sector. Silicone rubbers can be used to reproduce a large number of copies from an original master.

Chemical & Physical Properties

Mixing ratio	1 : 1
Viscosity of pre-catalyzation mixture	7000 - 8000 cP
Density of the base component	1.09 g/cc
Density of the catalyst component	1.09 g/cc
Working time at 23 °C	WT = 20' - 22'
Setting time at 23 °C	ST = 180'
Shore A hardness after 24 hours	33 ±2 shA
Tensile strength	4.7 N/mm ²
Elongation at break	430 %
Tear strength	16 ±2 N/mm
Reproduction of detail	2 micron
Dimensional variation after 24 hours	-0.05 %

Explore more



HT 33 Transparent

Investment Powders



HARSHAD QUANTUM

A robust investment yet still produces excellent quality castings with superb surface finish and fineness of detail. When mixed Harshad Quantum wets up readily producing a slurry which has greater flow characteristics and allows for the nest of detail of the wax pattern to be faithfully reproduced; Harshad Quantum also cleans off the mould very easily.



HARSHAD EXCEL

For the casting of brass, silver, and yellow gold up to 18ct, Harshad has traveled the world to source the highest quality, pure raw materials and additives to ensure consistently premier-performing products. Harshad Excel benefits from high-quality cristobalite that is tailored to our exact specifications.



Investment Powder CLASSIC

A superb solution for all gold, silver, and brass castings, SRS Classic has been the reliable choice of jewelry factories for more than fifteen years. It is an extremely user-friendly powder suitable for brass, silver, and all yellow gold castings.



Investment Powder STONECAST

A specialized powder for stone-in-place casting or wax setting, SRS can be relied upon for highly effective solutions in this area, as it was SRS who pioneered the inclusion of special additives into investment powder for this type of application.



Investment Powder SILK

A top-quality powder especially suited for palladium white and 18k & 22k gold. For gold casting, nothing surpasses the quality of SRS Silk. This flagship product is composed of the highest quality and concentration of unmineralised cristobalite.



Symphony Investment Powder

Manufactured With NANO Technology

A premium investment powder for resin/CAD casting, Synergy has been tested and approved worldwide. Developed by G3D in the United Kingdom, Synergy has been tried and tested by jewelry manufacturers across the globe. It is designed primarily for investing, burnout, and direct casting of resin and wax patterns. Synergy is an investment powder specifically formulated for CAD/CAM resin direct casting.



Maximus



Casting Alloys



Bad Casting



Good Casting



Casting Alloy

Karat	Color	Alloy Code
21K & 22K	Redish Yellow	HT 1478, HT1008
18K	Yellow	HT1296, HT1422
18K	Pink	HT986
9k - 18K	Pink	HT961
18K	White	HT1753
9K - 22K	Yellow	HTM360, UA 1
9K - 18K	Pink	HT979
9K - 18K	White	HT9

Benefits

Smooth Surface Finish

Achieve high-quality casting with minimal porosity and defects.

Better Flow Properties

Exceptional flow ensures complex jewelry designs are cast with precision.

Reduced Shrinkage

Minimized shrinkage cavities for intricate designs.

Reduced Oxidation

Minimal reaction with oxygen, ensuring clean, high-quality castings.

Better Service & Support

Expert technical support and guidance for your manufacturing challenges.

Mechanical Alloys



Bad Rolling Product



Good Rolling Product



Easy Rolling and Drawing

Smooth reduction in thickness during rolling and easy elongation during wire drawing.

High Ductility

Ensures the alloy can be shaped or formed into intricate designs without cracking or breaking.

Uniform Grain Structure

Promotes even deformation during fabrication, reducing the risk of defects.

High Tolerance to Stress

Resists cracking under high stress, suitable for challenging fabrication operations.

Mechanical Alloy

Karat	Color	Alloy Code
21K & 22K	Yellow	HT524
18K	Yellow	HTM716
18K	Pink	HT961
18K	White	HT1559
9K & 14K	Yellow	HT524
9K & 14K	Pink	HTM979
9K & 14K	White	HT1559

Cadmium Free Solder alloy

Karat	Color	Alloy Code
21K & 22K	Yellow	HTS8750
18K	Yellow	HTS7500
18K	Pink	HTS1100, HTS1200
18K	White	HTS4030
14K	Yellow	HTS2000

Watch Video



Explore more



EVE Polishing Tools



EVEFLEX Polishers



EVEFLEX 400 - Medium
For pre-polishing on alloys
and model casting material



EVEFLEX 500 - Very Coarse
For stainless-steel and
other non-precious alloys



EVEFLEX 600 - Coarse
For material removal and
shaping



EVEFLEX Pins
For processing areas with difficult access.
ø - 1.0, 2.0, 3.0, 4.0, 5.0



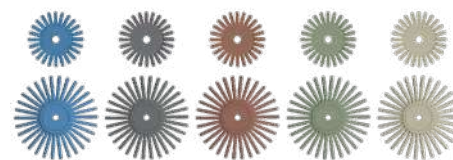
EVEFLEX 700 - Medium
For smoothing on precious
and non-precious metals



EVEFLEX 800 - Fine
For high luster polishing on
precious metals



EVEFLEX 900 - Extra Fine
For super high luster polishing
on precious metals



EVEFLEX Twist
For processing precious metals and alloys
Size: ø14 x 1.2, ø17 x 1.2, ø26 x 1.2

Pandora Alloys



Pandora Alloys offers a diverse selection of high-performance gold and silver alloys tailored for the jewellery industry. Their product range includes specialised alloys designed for various applications such as casting, mechanical work, and stone-in-place settings.



Yellow Alloys



White Alloys



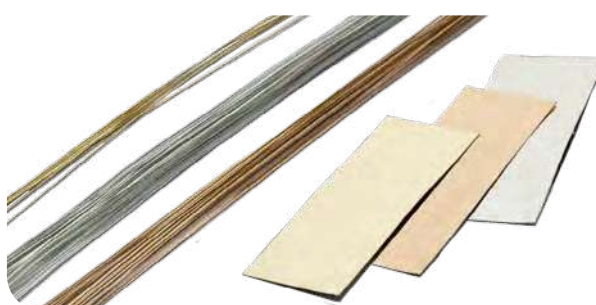
Alloys for Silver



Red & Pink Alloys



Brass and Bronze



Soldering Alloys





Marathon Micro-motors

Multi 600 series

Easily changeable to Knee Control or desktop (2 solutions) with one unit.

Multi 600

The Marathon Multi 600 is a versatile micro-motor system available in desktop and knee-control types. It features a digital LCD for easy speed monitoring, a self-diagnosis function for quick troubleshooting, and an auto-cruise mode for steady performance.

The variable speed foot pedal offers excellent control for precise lab work, making it ideal for professional use.

Speed range: 1000 ~ 50000 rpm

Torque: 7.8 Ncm

Motor: BM50S1

Variable foot speed control pedal: FS-60N



Variable speed foot pedal

Knee control style
Mounting bracket for knee control
BM50S1

Multi 600 Standard

For laboratory brush-less Micro motor
Vertical Desktop Style



Speed range: 1000 ~ 50000 rpm

Torque: 7.8 Ncm

Motor: BM50S1

Multi 600 Duo

Dual Control System (Brush-less and brush micro motor can be available)



Speed range: 1000 ~ 50000 rpm

Torque: 7.8 Ncm

Motor: BM50S1

Marathon-3 Champion

- * Compact size
- * Built-in hand-piece cradle and bit stand
- * Forward / Reverse direction switch
- * On / Off foot switch (SFP-27)



Speed range: Max. 30,000 rpm (SDE-H200)

Weight: 1.25 Kg

Dimensions: W 11.8 x D 15.6 x H 7.8 cm

M4 Lab Micro-motor

- * Compact and portable
- * Continuous variable speed control
- * Forward and reverse movement
- * Smooth and quiet operation



Speed range: Max. 35,000 rpm

Weight: 1.18 Kg

Dimensions: W 11.5 x D 14.7 x H 7.1 cm

Explore more



Luxor High Quality Polishing Line



LUXOR

LUXOR® line is a world awarded brand in high-quality polishing. It includes pastes, polishing discs but also a microfiber and a cleaning solution, particularly used in jewellery and watchmaking activities.

LUXOR® line, appreciated for its excellent final polished results, covers all the polishing operations: preparation, polishing, finishing, super finishing.

Its exclusive formulation allows also a much easier cleaning of your parts.



		Phase	Polished Surface	Associated Discs
Luxor Green	3	Medium preparation	Gold, Silver	MB, TP
Luxor Blue	1	Dry preparation	Lacquers	TPB, STV, MOC2
Luxor Grey	1	Soft preparation	Gold, Platinum, Silver	TPB, STV
Luxor White	0,3	Fine polishing	All metals	TPB, STV, MOC2
Luxor Yellow	0,5	Super finishing	Gold, Copper alloys, Brass	LAG, STV, MOC2
Luxor Orange	0,1	Super finishing	All metals	LAG, STV, MOC2



Luxor Green



Luxor Blue



Luxor Grey



Luxor White



Luxor Yellow



Luxor Orange



Explore more

Dialux Polishing Compound



DIALUX



Dialux is made of carefully graded abrasives and bonding agents. This section process allows the compound good adhesion to the fibres of brushes, buff and felts. Only a minimal amount of compound needed.

- * **Blue Dialux** - A universal type of polishing compound that can be used on all metals.
- * **White Dialux** - Perfect for sterling silver and other silver alloys.
- * **Green Dialux** - Used to polish hard metals such as stainless steel and chrome.
- * **Red Dialux** - Optimal results on yellow gold.
- * **Orange Dialux** - Produces a high shine on soft metals.
- * **Yellow Dialux** - Used on brass and copper.
- * **Gray Dialux** - Used to produce a high shine on platinum and other hard surfaces.



Explore more

Vallorbe Files & Gravers

Needle Files

LA2401

Pillar



L (mm)	100	140	160	180	200
A x B (mm)	3.1 x 0.9	4.8 x 1.05	5.4 x 1.2	6.0 x 1.3	6.5 x 1.35

LA2402

Halfround



L (mm)	100	140	160	180	200
A x B (mm)	4.0 x 1.45	5.0 x 1.7	5.5 x 1.85	5.9 x 2.05	6.3 x 2.2

LA2403

Crossing



L (mm)	100	140	160	180	200
A x B (mm)	3.5 x 1.45	4.5 x 1.95	5.1 x 2.1	5.7 x 2.3	6.0 x 2.3

LA2406

Warding



L (mm)	100	140	160	180	200
A x B (mm)	3.5 x 0.8	4.8 x 1.1	5.4 x 1.2	6.0 x 1.25	6.5 x 1.35

LA2407

Three-square



L (mm)	100	140	160	180	200
A (mm)	2.9	3.6	3.9	4.3	4.5

LA2408

Square



L (mm)	100	140	160	180	200
A (mm)	1.7	2.2	2.4	2.6	2.8

LA2410

Round



L (mm)	100	140	160	180	200
A (mm)	2.1	2.8	2.9	3.2	3.5

LA2411

Barrette



L (mm)	100	140	160	180	200
A x B (mm)	3.7 x 1.4	4.7 x 1.7	5.1 x 1.8	5.4 x 2.0	5.8 x 2.2

Precision Files

LP1560

Halfround ordinary



L (mm)	100	125	150	200	250
A x B (mm)	12.7 x 3.5	13.1 x 4.1	15.1 x 4.7	21.1 x 6.3	25.5 x 7.5

LP1566

Halfround slim



L (mm)	150	200	250
A x B (mm)	12.7 x 3.5	15.2 x 4.8	15.2 x 4.8

LP1163

Hand



L (mm)	100	150	200	250
A x B (mm)	12.5 x 3.0	18.5 x 4.0	21.3 x 4.8	25.3 x 6.3

LP1132

Pillar 2 side cut



L (mm)	100	150	200	250	300
A x B (mm)	9.5 x 2.5	12.0 x 4.0	14.5 x 4.5	17.5 x 5.3	19.3 x 6.3

HSS Gravers

L00401HSS

Flat edge

L = 65mm



A (mm)	0.2	0.4	0.6	0.8	1.0	1.2	1.4
--------	-----	-----	-----	-----	-----	-----	-----

L00403HSS

Onglette



A (mm)	1.6	1.8	1.9	2.2	2.5
--------	-----	-----	-----	-----	-----

L00406HSS

Knife

L = 65mm



A (mm)	1.8	2.0	2.2	2.4	2.6
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Explore more



Niqua Burs



NIQUA®

Steel Burs



03-200
Round
ø 0.2 - 10 mm



03-201
Inverted Cone
ø 0.6 - 2.9 mm



03-202
Wheel
ø 0.6 - 2.9 mm



03-203
Cylinder
ø 0.7 - 2.7 mm



03-204
Cylinder
ø 0.7 - 2.3 mm



03-207
Cylinder
ø 0.7 - 2.7 mm



03-208
Cylinder
ø 0.6 - 2.7 mm



03-209
Cylinder
ø 0.7 - 2.9 mm



03-210
Cone
ø 0.6 - 2.5 mm



03-211
Wheel
ø 2.3 - 4.0 mm



03-212
Twist Drill
ø 0.5 - 2.3 mm



03-214
Krause
ø 1.0, 1.2 mm



03-215
Flame
ø 1.0 - 5.0 mm



03-218
Bearing Cutter
ø 0.5 - 5.0 mm



03-219
Lens
ø 1.0 - 5.0 mm



03-222
Cone 30°
ø 1.0 - 5.0 mm



03-223
Cone 90°
ø 1.0 - 5.0 mm



03-230
Cup Bur
ø 0.8 - 10 mm



03-236
SuperCut Cup Bur
ø 0.8 - 2.3 mm



03-237
2C1 Cup Cut
ø 0.8 - 2.3 mm



03-238
2C2 Cup Cut Cone
ø 0.8 - 2.3 mm

Tungsten Carbide Burs



03-234
Twist Drill
ø 0.5 - 2.3 mm



03-235
Round
ø 0.2 - 2.7 mm



03-244
Inverted Cone
ø 0.6 - 1.8 mm



03-251
Cylinder
ø 1.0, 1.2, 1.4 mm



03-252
Cylinder
ø 0.8 - 1.6 mm



03-253
Cone
ø 0.8 - 1.8 mm



03-242
Cylinder
ø 0.8 - 1.6 mm

Diamond Coated Burs & Cutting Discs



03-061
Round
ø 0.9 - 2.1 mm



03-062
Cylinder Short
ø 1.3, 2.1 mm



03-064
Short, Tapered,
Round tip
ø 1.2, 1.3 mm



03-065
Long Flame
ø 1.4, 1.6 mm



03-063
Tapered, Pointed
ø 1.8 mm

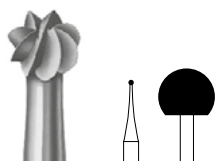


03-060
Double Sided
ø 6.5 - 10 mm



03-066
Double sided
ø 2.3 mm

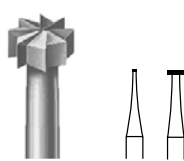
Steel Burs



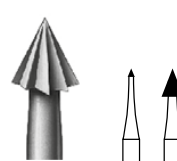
1.104.
Round
Ø 0.3 - 10 mm



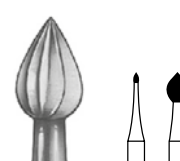
2.104.
Inverted Cone
Ø 0.6 - 2.3 mm



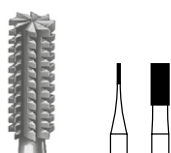
3.104.
Wheel
Ø 0.6 - 2.3 mm



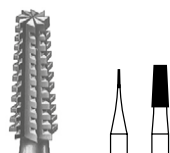
5.104.
Pointed
Ø 0.9 - 3.1 mm



6.104.
Bud
Ø 0.9 - 3.1 mm



36.104.
Cylinder Cross-cut
Ø 0.6 - 2.7 mm
L 3.0 - 6.6 mm



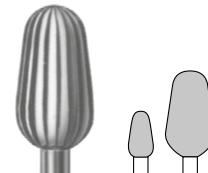
38.104.
Tapered Cross-cut
Ø 0.5 - 2.5 mm
L 2.8 - 6.3 mm



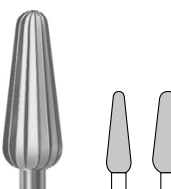
38E.104.
Tapered Staggered
Tooth
Ø 0.6 - 1.0 mm



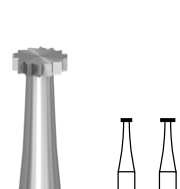
45.104.
Circular
Ø 2.3 - 4.0 mm



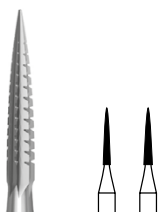
75.104.
Bud
Ø 4.0 - 8.0 mm
L 8.0 - 14 mm



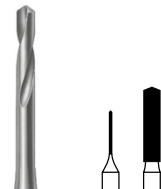
79.104.
Bud
Ø 4.0, 5.0 mm
L 14 mm



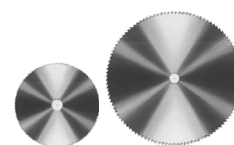
431.104.
Wheel
Ø 1.5, 2.0 mm



194.104.
Flame
Ø 1.0, 1.2 mm



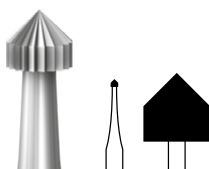
203.104.
Twist Drill
Ø 0.5 - 2.3 mm
L 6.3 - 10.5 mm



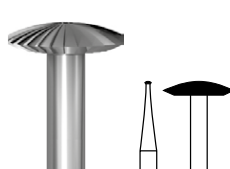
232.900.
Bud
Ø 12.5 - 22 mm
Thickness 0.12 mm



203D.104.
Diamond Twist Drill
Ø 0.8 - 1.4 mm



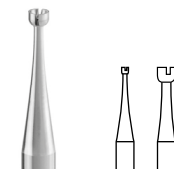
413.104.
Stone Setting Bur
Ø 0.9 - 8.0 mm



249.104.
Knife Edge Cutter
Ø 0.9 - 10 mm

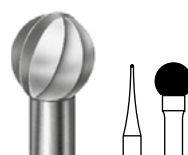


256.104.
Cup Bur
Ø 0.8 - 2.9 mm

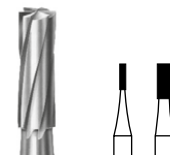


256A.104.
Cup Cut Bur
Ø 0.8 - 2.3 mm

Tungsten Carbide Burs



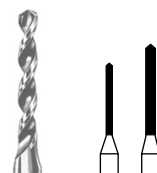
H71.104.
Round
Ø 0.3 - 5.0 mm



H21.104.
Cylinder
Ø 0.8 - 1.8 mm



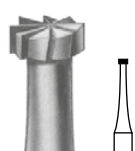
H31.104.
Cylinder Cross-cut
Ø 0.8 - 1.8 mm



H203.104.
Twist Drill
Ø 0.9 - 1.4 mm



H30.104.
Inverted Cone
Ø 0.6 - 1.6 mm
L 0.5 - 1.6 mm



H3.104.
Wheel
Ø 1.2 - 1.6 mm
L 0.3 - 0.4 mm



H33.104.
Tapered Cross-cut
Ø 0.9 - 2.1 mm
L 4.2 - 4.8 mm



H33L.104.
Tapered Long
Cross-cut
Ø 0.9 - 3.1 mm
L 5.2 - 7.5 mm



H33R.104.
Tapered Round-end,
Cross-cut
Ø 1.0 - 1.6 mm
L 4.2 - 4.4 mm



H33FRS.104.
Round-end,
Tapered fissure
Ø 0.9 - 1.0 mm
L 4.2 mm



H97.104.
Three-edge
Wedge
Ø 1.0 mm

ORO Buffs & Brushes



Muslin Buffs



Buff Razor Edge



Miniature Brushes



Pen Brushes



Cup/Bowl Brushes



Trestling Brushes



Abrasive Paper



Bristle Brushes



Brass Brushes



Radial Bristle Discs

Sapphire Buffs



7" x 50ply
White Buff



7" x 50ply
Yellow Buff



7" x 50ply
Pink Buff



2.5" x 100ply
White Buff



2.5" x 50ply
Yellow Buff

Bufs



White Cloth Buff



Yellow Muslin Buff



Bangle Cloth Buff



3" x 100ply
Cloth Buff



2.5" x 100ply
White Cloth Buff

Super Pike Saw Blades



N° 0

N° 1

N° 2

N° 3

N° 4

N° 5

N° 6

N° 8



N° 2/0

N° 3/0

N° 4/0

N° 5/0

N° 6/0

N° 7/0

N° 8/0

Bench Tools



Adjustable Piercing
Saw Frame



Saw Frame
(German Type)



Junior Hacksaw
Frame



Ring Clamp Wedge
type



Ring Clamp
Bottom



Ring Stick A-Z &
1-6 with Strip



Pin Vise Swivel
Head



Archimedean Drill



Graver Handles



Graver Chuck with
Rotating Handle



Peg Clamp



Combination Bench
Pin and Anvil



Anvil



Bow Drill



Precision Bench
Vise



Bench Vise Plate



C-Clamp with
V-Block



Chasing Hammer



Burnisher Curved



Prong Pusher
Grooved



Tube Holder



Scalpel Handle



Third Hand Base



3peaks Nippers & Pliers



NP-150G
Size: 150mm
Blade: 20 mm



NP-150Z-S
Size: 150mm
Blade: 20 mm



NP-150PH-S
Size: 150mm
Blade: 20 mm



LN-150S
Size: 150mm
Blade: 20 mm



NP-190BZ
Size: 190mm
Blade: 20 mm



CR-01
Size: 130mm
Blade: 15 mm



DNP-150Z-S
Size: 150mm
Blade: 25 mm



RP-150Z-S
Size: 150mm
Blade: 9.5 mm



RP-125S
Size: 125mm
Blade: 9 mm



NNP-150B
Size: 150mm



RNP-115
Size: 115mm



SM-01
Size: 100mm
Blade: 10 mm



SN-130
Size: 130mm
Blade: 15 mm



SP-21
Size: 125 mm
Blade: 10 mm



MTC Nippers & Pliers



MTC 2
Size: 118 mm
Blade: 15 mm



MTC 2D
Size: 118 mm
Blade: 15 mm



MTC 3
Size: 129 mm
Blade: 16 mm



MTC 4
Size: 118 mm
Blade: 15 mm



MTC 8
Size: 127 mm
Blade: 12 mm



MTC 14
Size: 133 mm
Jaw: 36 mm



MTC 17
Size: 102 mm
Blade: 14 mm



MTC 18
Size: 133 mm
Jaw: 38 mm



MTC 21
Size: 132 mm
Blade: 20 mm



MTC 22
Size: 162 mm
Blade: 22 mm



MTC 23
Size: 190 mm
Blade: 25.5 mm



MTC 28B
Size: 138 mm
Jaw: 43.5 mm

Keiba Nippers & Pliers



N-205
Size: 133 mm
Blade: 20 mm



ET-226
Size: 173 mm
Blade: 21 mm



ET-326
Size: 173 mm
Jaw: 54 mm



ET-326B
Size: 165 mm
Nose angle: 60°



E-827
Size: 188 mm
Blade: 30 mm



PU-226R
Size: 165 mm
Blade: 13.5 mm



PL-717
Size: 188 mm
Blade: 25 mm



PL-786
Size: 163 mm
Blade: 20 mm



PL-756
Size: 150 mm
Blade: 22.6 mm



PL-796
Size: 143 mm
Blade: 20 mm



PL-736
Size: 154 mm
Blade: 20.6 mm



HNC-D34
Size: 113 mm
Blade: 19 mm



HRC-D04
Size: 126 mm



HJC-D04
Size: 122 mm
Jaw: 20 mm



HKC-D04
Size: 105 mm
Blade: 6 mm



KM-057B
Size: 125 mm
Blade: 7 mm



N-214
Size: 111.5 mm
Blade: 19 mm



LS-007
Size: 163 mm
Blade: 13 mm



FOREDOM®

Motor details

The 1/6 hp, ball bearing series SR has 33% more power than our older 1/8 hp motors, and 66% more than our original 1/10 hp models. The added power helps to reduce stalling or slowing down under normal workloads.

Specifications

Throttle	Ring
Required pressure	90 PSI
Air Inlet NTP	1/4 in
Min. hose	1/4 in
Housing	Aluminium
Speed	Variable
Type	Industrial duty
Length	5 in
Item	Air Scribe
Hose length	96 in
CFM	1 : 1
Blows per minute	13500
Zoro number	G3934323
Mfr Number	CP9361



Diamond Setting Tools

A complete range of diamond setting tools used in the diamond industry are available in stock at all times.

Special orders of high-end machines can also be made upon customer request.



Polariscope



Gemstone Refractometer



LED Diamond Desk Lamp



2 Tube Lamp



3 Tube Lamp



Satellite Turntable



Setting Ball



Microscope



Graver Mach & Handpiece

Small & Pocket Scales

Tanita Balances



1479J2 Digital Mini Scale



1479Z Digital Mini Scale



1479V Digital Mini Scale



1479S-300GD Digital Mini Scale



KP-400M High Capacity Scale



1475T High Capacity Scale



1230 Mini Diamond Scale



KP-104-300 Digital Pocket Scale



KP-104-200 Mini Scale



KP-103 Mini Scale



1210N Diamond Scale



KP-601 500 Carat Scale

Truweigh Balances



TruWeigh BLAZE
100g x 0.01g / 600g x 0.1g - Black



TruWeigh APEX
100g x 0.01g / 600g x 0.1g - Black



TruWeigh mini collapsible bowl
100g x 0.01g - Black/Red bowl



TruWeigh Enigma
500g x 0.01g / 3000g x 0.1g - Silver

Précis Electronic Balance



Features-

- Auto shut off(optional).
- Auto calibration.
- Auto zero tracking.
- Auto back light optional.
- Large LCD6 digits 15mm high).
- Low battery indication.
- Stability indication
- G/oz/lb/ozt/twt/dwt/ct/gn



Explore more





PRESIDIUM

Presidium Diamond/Moissanite Testers

What is Moissanite?

It is a mineral stone that can be produced in a laboratory at a fraction of the cost of a naturally mined diamond and bears a close resemblance to diamond.

Multi Tester III (PMuT III)

The popular trusted all in one portable tester that instantly identifies diamonds, moissanites and even other simulants.



Multi Tester III (PMuT III)

Handheld instrument that identify colorless moissanites from colorless diamonds based on their electrical properties



Diamond Mate (PDMT-A/PDMT-C)

Handy diamond tester that verifies the authenticity of diamonds.
Comes in battery and rechargeable versions



SAM Tester

Identify diamonds against a wider range of moissanites, including the new low conductivity moissanite.



ADMAS

Diamond & moissanite tester with a replaceable magnetic tip to accurately test colorless diamonds as small as 0.01 carats.



Retail

Explore more





PRESIDIUM

Presidium® Gem Tester II

Presidium Gem Tester II (PGT II) is a compact, sturdy, and portable device designed to quickly identify diamonds, moissanites, and up to 15 common colored gemstones by their thermal properties.



Gauges & Scales

The only gauges in the world that directly converts dimensions to carat values

Gem Computer Gauge (PGCG)

World's only all-in-one gauge that measures stone sizes and estimates the weight & stone identity with a smart integrated software.



Electronic Gemstone Gauge (PEGG)

Clear & instant digital display of gemstone's measurements including carat values with an accuracy of 1/100 mm.



Dial Gauge (PDG)

Easy to read analogue dial with mm measurements, corresponding carat conversion scale & an inner measuring display for US ring sizes.



Retail

Explore more





PRESIDIUM

OTI by Presidium

Help identify colorless diamonds against CVD/HPHT lab-grown colorless diamonds, all types of moissanite and all common diamond simulants such as Glass, Sapphire and Cubic Zirconia (CZ).



Specifications

Power & battery	3 x AAA rechargeable/non-rechargeable Lithium batteries or Power Bank (Not provided) via USB cable Battery life: Up to 1.5 hours of continuous usage
Recommended operating conditions	Operating Temperature: 18°C - 27°C (65°F - 80°F)
Dimensions (LxWxH)	10.5 x 7 x 2.48 cm
Weight	60 g (without batteries)

ARI by Presidium

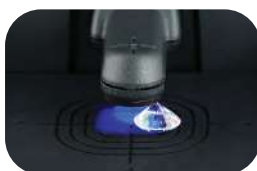
A handheld diamond and moissanite screener that distinguishes colorless diamonds from CVD/HPHT lab-grown diamonds or moissanites—for loose and mounted stones.

Specifications

Power & battery	3 x AAA alkaline batteries (up to 4 hours of continuous usage) or AC adaptor Standby time: 10 minutes from the last measurement
Recommended operating conditions	Operating Temperature: 18°C - 27°C (65°F - 80°F) Air Relative Humidity: 35 - 65%
Dimensions (LxWxH)	19 x 4.6 x 2.5 cm
Weight	60 g (without batteries)



Synthetic Diamond Screener II



Portable desktop device to screen out Type IIa colorless diamonds (usually CVD/HPHT laboratory-grown diamonds) from the natural Type Ia colorless diamond.

Specifications

Power & battery	4 x AAA alkaline batteries or appropriate Presidium Universal USB Power Adaptor
Recommended operating conditions	Only for Colorless Diamonds of: Color Grade: D to J Color; Carat Size: 0.02 to >10 carats; Cut: For all cuts as long as gemstone has a flat surface Mounted Jewelry: For jewelry with "openback" setting
Dimensions (LxWxH)	13 x 10 x 6.5 cm
Weight	210 g



Retail



Explore more



Diamond Accessories

A complete range of diamond accessories used in the diamond industry are available in stock at all times.

Special orders of high-end machines can also be made upon customer request.



CONNOISSEURS®

Connoisseurs Beauty Treatment for Jewellery



Retail

Explore more



CVD Tester

DiaSynth is an advanced gem analysis machine with AI and UV-induced fluorescence to accurately identify natural diamonds, lab-grown diamonds (CVD and HPHT), and simulants like moissanite and cubic zirconia.

Key Features:

- * AI-powered detection of gem type, size, and position.
- * Real-time results displayed directly under each stone
- * Supports loose stones and mounted jewelry with 360° inspection.
- * User-friendly touchscreen with automated or assisted analysis.

It's a fast, reliable solution for jewelers and gemologists to verify diamonds and simulants.



Zebra Barcode Printer

Specifications

Resolution	203 dpi (8 dots/mm)	
Max. print width	104 mm	
Print speed	102 mm/second	
Max. label length	991 mm	
Media width	25.4 mm to 112 mm	
Media roll size	127 mm outer diameter	
Thickness	0.08 mm (Min), 0.1905 mm (Max)	
Dimensions (L x W x H)	Thermal transfer:	Direct thermal:
	26.7 x 19.7 x 19.1 cm	22 x 17.6 x 15.1 cm
Weight	1.7 kg	1.1 kg



- * Thermal Transfer or Direct Thermal print
- * ZPL and EPL programming languages
- * Single LED status indicator
- * Single button for feed/pause
- * USB connectivity



Cash Counting Machine

Specifications

Counterfeit detection	Dual CIS, IR, MG, MT, UV	
Counting speed	800/1000/1200 notes/min	
Hopper capacity	500 - 1000 notes	
Stacker capacity	200 notes	
Reject pocket capacity	100 notes	
Bank note size	L x W : 60 x 85mm - 100 x 190 mm	
	Thickness : 0.08 - 0.12 mm	
Interface	2 x RS232 / USB / LAN / External display	
Power supply	AC 110~240V ±10%, 50/60 Hz	
Power consumption	100 W	
Dimensions	28.5 x 28.5 x 33.5 cm	
Packaging dimensions	38 x 37.5 x 41 cm	
Weight	Net: 12 kg	Gross: 14 kg



Gem LightBox Pro

AI Powered

Revolutionize your jewelry photography

The GemLightbox Pro enables jewelers to effortlessly capture high-quality images and videos using only their smartphone.

Showcase your entire inventory, from dangling pieces to flat designs.

Simply download the GemLightbox App, connect via Bluetooth, and click to capture.

Photography Automation

Capture 4 photos and 1 video in just one click.
Automate your photography process in 15 seconds.

Two Built-in Turntables

Plug and play, 2 built-in turntables to capture both flat and hanging pieces.

Included

- * 50 GB cloud storage
- * Lifetime GemHub AI subscription
- * 2 year warranty

Specifications

Dimensions (L x W x H)	35 x 26.5 x 27.1 cm
Weight	11.8 kg (Gross), 3.3 kg (Net)
Power	Input 110-240V, Output 12V 3.0A
Media Output	.JPG & .MP4, Up to 3032x3032 pixels
Compatibility	iOS or Android Mobile Devices
Max Wt. Capacity	1.0kg (Bottom), 0.7kg (Top)

Accessories



Smartphone holder



Sparkle light & Yellow light



Adjustable watch holder



T-Bar earring stands



Necklace stand



Picup Media



Pro Adjustable Lighting

Point and shoot lights in any direction you want.
Capture true color the way you want it.

Accessories for all Jewelry Types

Accessories are made for rings, earrings, bracelets, necklaces, and watches



Retail

Watch Video



Explore more





Gem LightBox Macro

AI Powered



Cutting-edge photography solution designed for use with smartphones, enabling jewelers to effortlessly capture high-quality images and 360° videos of diamonds and gemstones.

Features

- * 10X magnification lens to capture intricate details.
- * 4 professional style lighting options for color accuracy.
- * One click studio quality photos with your smartphone.
- * Supports stones of all sizes from 0.1ct to 50ct.



Gem LightBox Elite Kit

AI Powered



The Elite Kit packs a punch with the full suite of innovative solutions, combined with ground-breaking AI software. Push the limits of what's possible, from quick social media posts, high quality prints and catalogues, to 4K resolution videos.

Included

- * GemLightBox Pro
- * GemCam
- * GemEclipse
- * Ring Clip
- * Lifetime GemHub AI subscription
- * 2 year warranty

GemCAM

AI Powered



Compact AI-powered camera with built-in yellow & white lighting, a sparkle light, and a macro lens to capture fine details with ease.

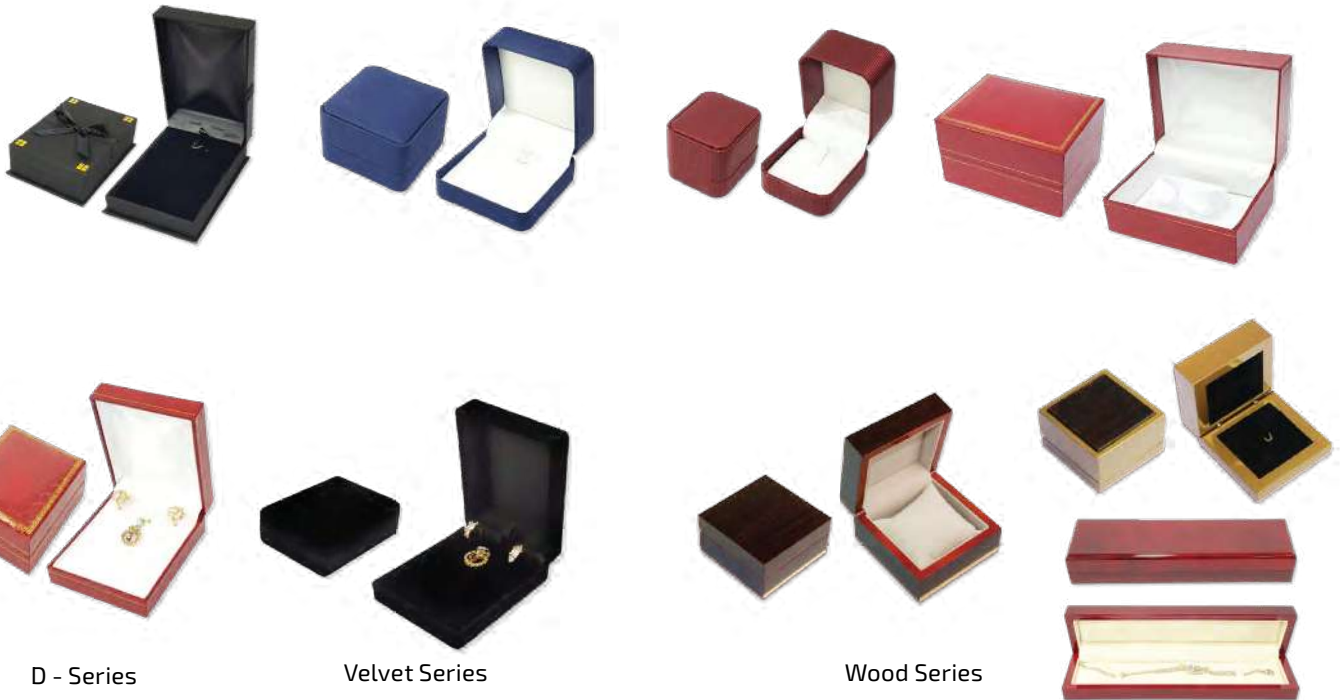
Gem Sparkle



GemSparkle, portable loupe with fully adjustable LED lighting (3500K-6500K), giving you complete control for vibrant, consistent jewelry photos.



Jewellery Boxes



Jewellery Display



Retail

Explore more



Protective Carry Cases

Produced with practical, innovative features and optional extras including custom foam cushioning, partitions. Unaffected by dents, scratches and corrosion. Protect your delicate and expensive machines.



HAR001



HAR002



HAR003

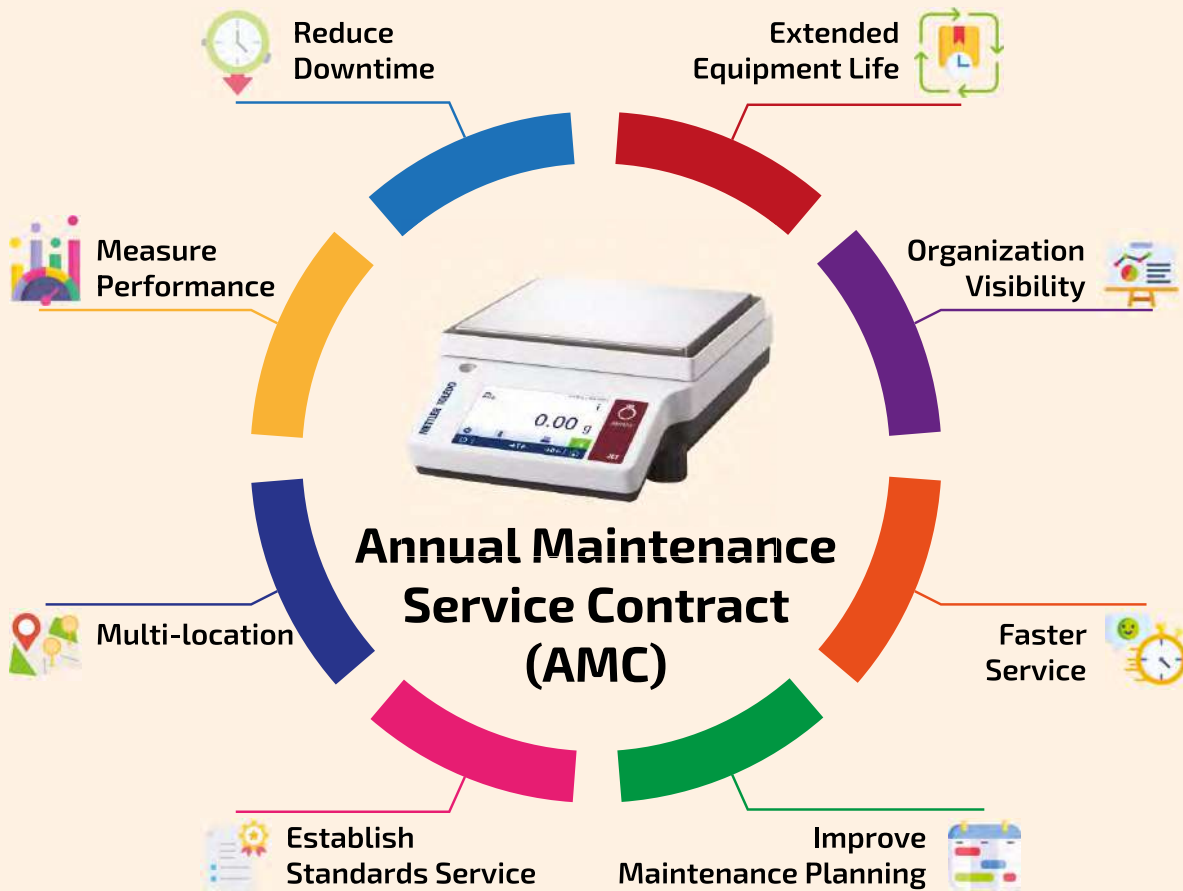


HAR004

Weighing Scales

Every Milligram Matters

Prevent loss, ensure accuracy, and stay compliant with regular maintenance



Benefits of AMC



What We Offer - More Than Just Maintenance

12 Visits

Calibration

20% Discount
on Genuine Spare parts

Terms & Conditions - 5% VAT will be added to the final invoice as per UAE law

+971 50 151 8573

service@harshadgroup.com

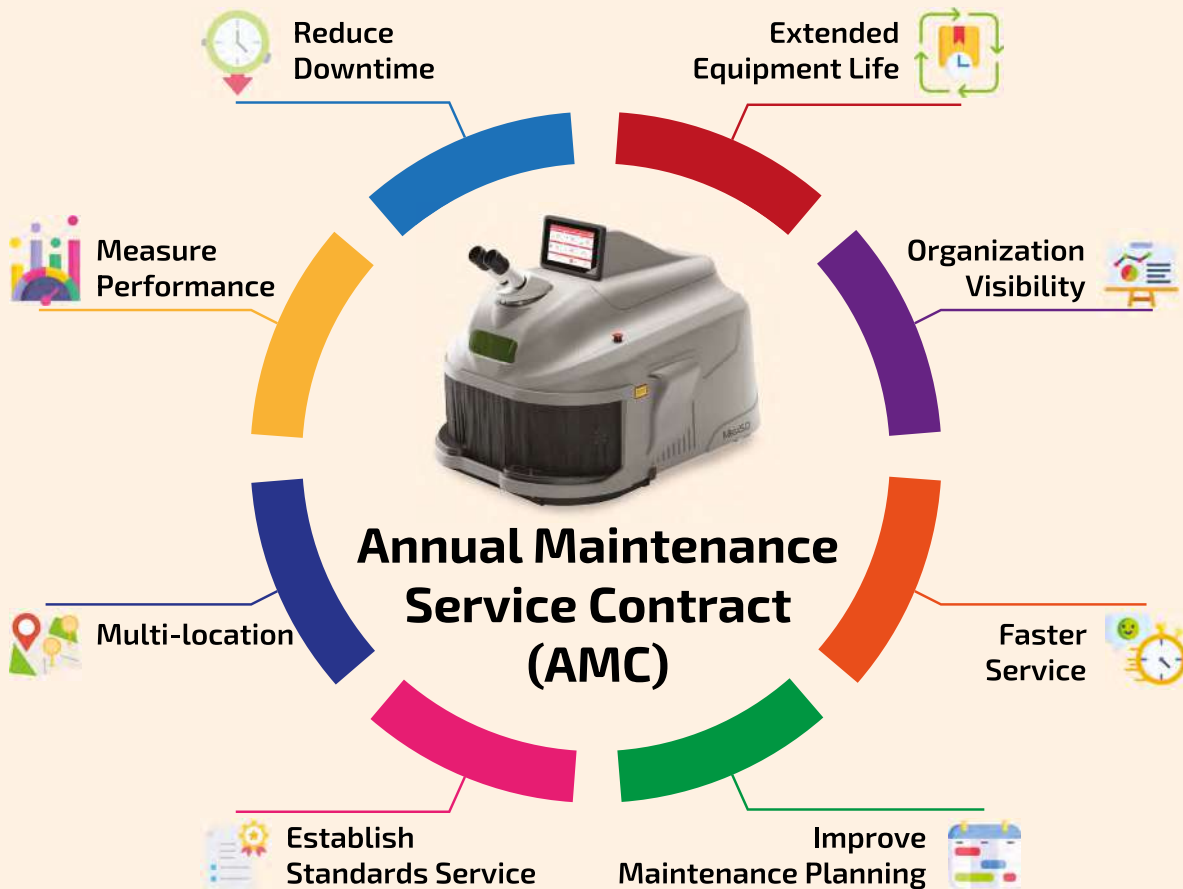
METTLER TOLEDO

50 YEARS **Harshad** GROUP
Celebrating 50+ Years

Laser Welding

"No Downtime, Just perfect Welds"

Prevent loss, ensure accuracy, and stay compliant with regular maintenance



Benefits of AMC



Protect PCB/
IGBT Board



In-depth
Inspection



Timely &
Preventive
Maintenance



Priority
Support



Cost Savings

- Time Cost
- Longer Machine life
- Uninterrupted Revenue

What We Offer - More Than Just Maintenance

Total 6 Visits
3 - Maintenance
3 - Emergency Breakdown

One-time
Replacement of
Flash Lamp

20% Discount
on Genuine Spare parts

Terms & Conditions - 5% VAT will be added to the final invoice as per UAE law

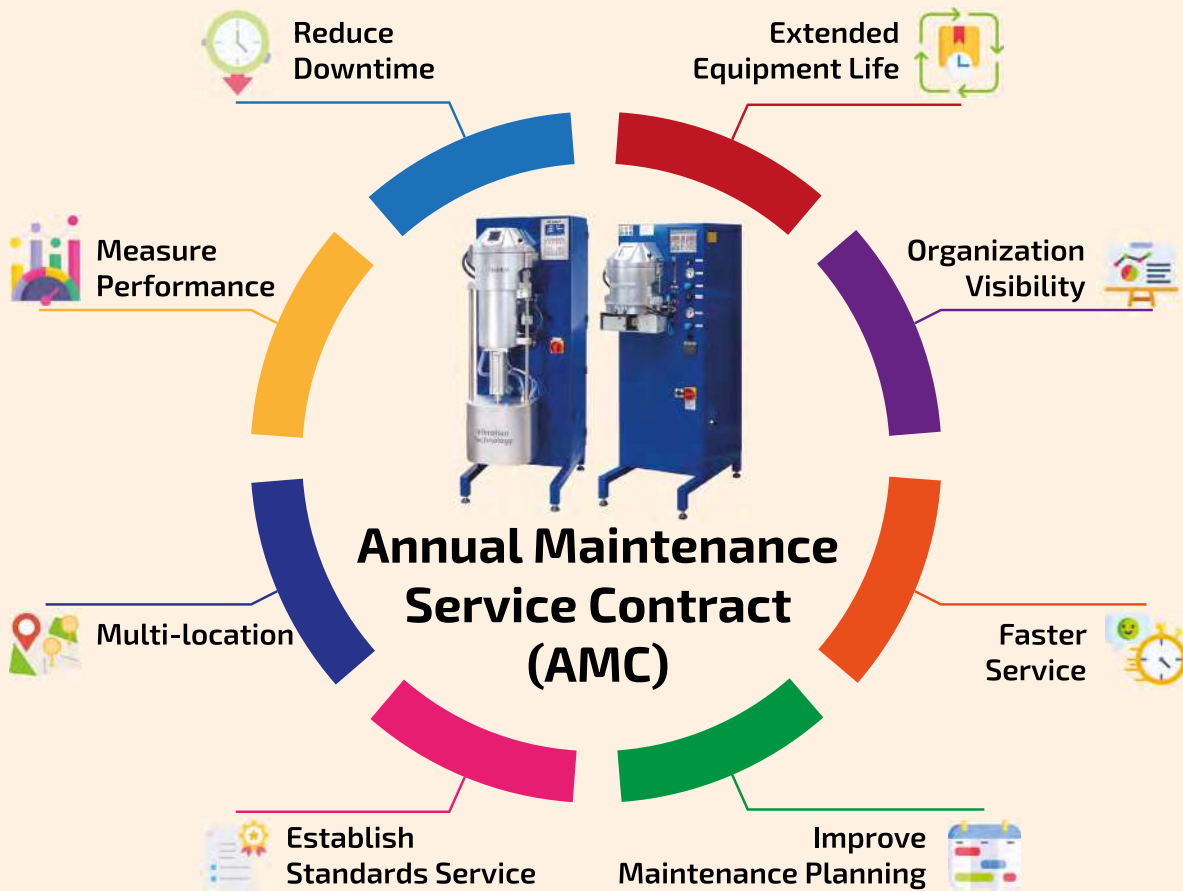
+971 50 151 8573

service@harshadgroup.com

VC / VCC (Casting Machine)

"Don't Lose Gold—Maintain on Time, Save 500g a Year."

Prevent loss, ensure accuracy, and stay compliant with regular maintenance



Benefits of AMC



What We Offer - More Than Just Maintenance

Total 6 Visits
3 - Maintenance
3 - Emergency Breakdown

One-time Replacement
2 - White Filters
1 - Sinter Filter

20% Discount
on Genuine Spare parts

Terms & Conditions - 5% VAT will be added to the final invoice as per UAE law

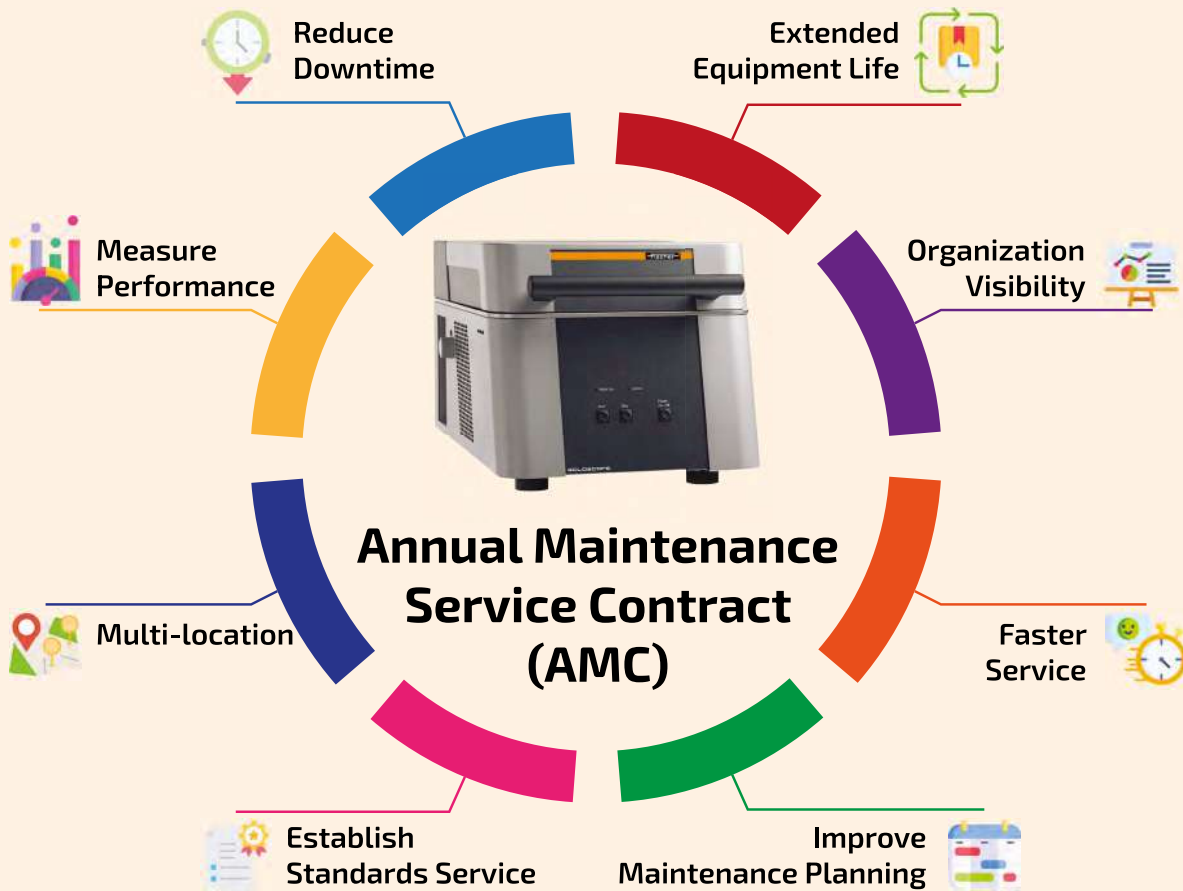
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XRF Fischer

"Don't Let Inaccuracy Cost you Profit."

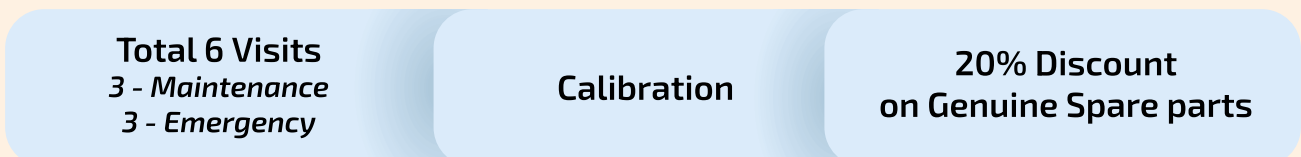
Prevent loss, ensure accuracy, and stay compliant with regular maintenance



Benefits of AMC



What We Offer - More Than Just Maintenance



Terms & Conditions - 5% VAT will be added to the final invoice as per UAE law

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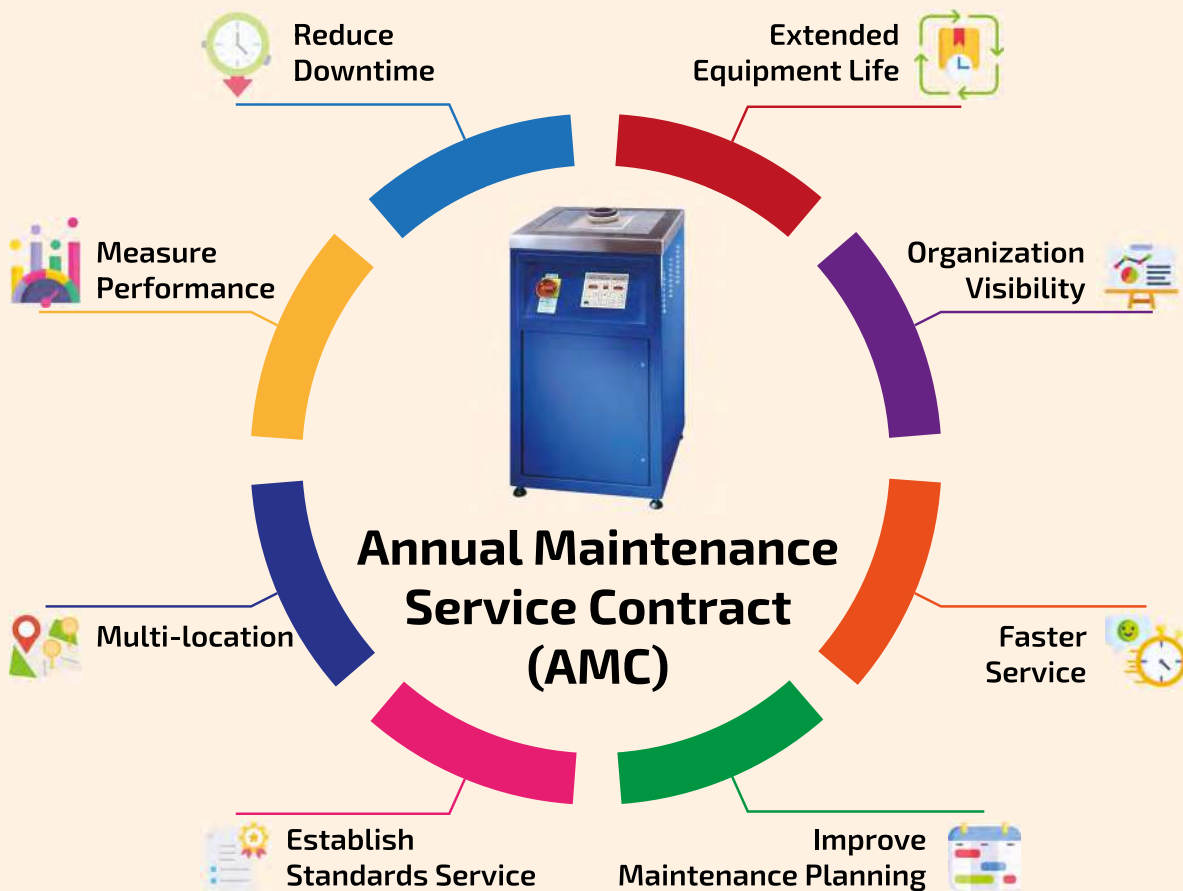
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MU Series

"Melt Smarter, Preserve your Profits."

Prevent loss, ensure accuracy, and stay compliant with regular maintenance



Benefits of AMC



What We Offer - More Than Just Maintenance

Total 3 Visits
2 - Maintenance
1 - Emergency Breakdown

20% Discount
on Genuine Spare parts

Terms & Conditions - 5% VAT will be added to the final invoice as per UAE law

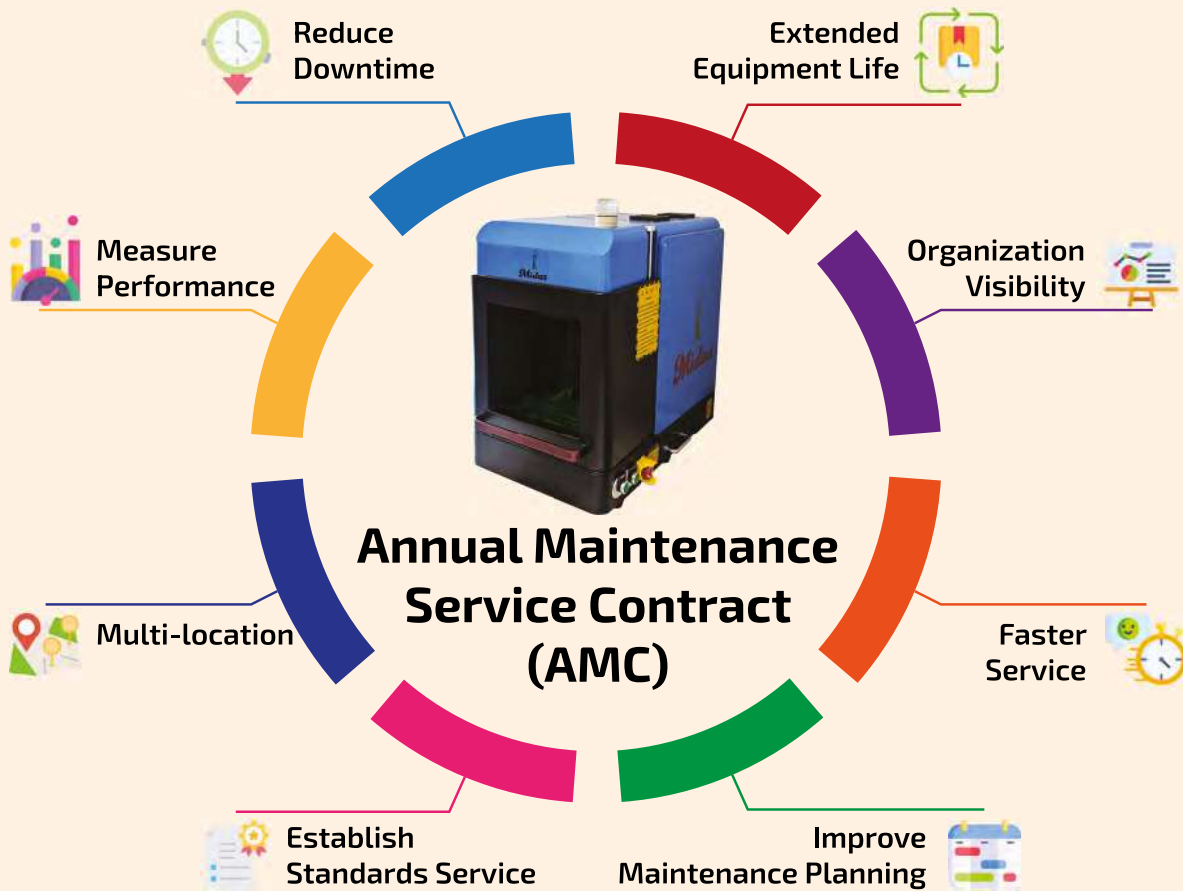
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Laser Cutter

"Cut Costs, Not Corners."

Prevent loss, ensure accuracy, and stay compliant with regular maintenance



Benefits of AMC



What We Offer - More Than Just Maintenance



Terms & Conditions - 5% VAT will be added to the final invoice as per UAE law

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Design, Print, Cast!

Reliable Service Center in UAE

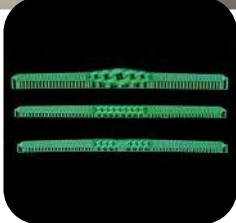
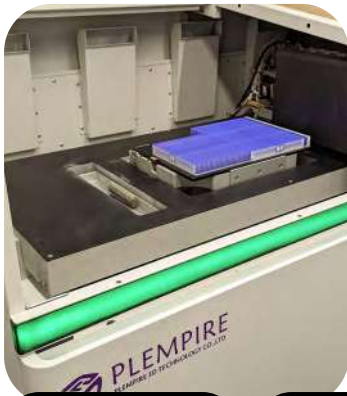
CAD Designing

Harshad Group offers jewellery CAD designing as a service using high-end software like Matrix, Rhino. Our in-house CAD designing experts think outside of the box to create custom jewellery for hobbyist, Boutiques or small manufacturers.



CAM

3D printers from **RapidShape, Plempire & Pionext** are used to create models which physically represent the way the final products will look. These 3D printers give excellent high quality resin prototypes, and are among the fastest machines that can finish a print job. In addition we use different resins according to the designs to deliver perfect results using the Open Resin System in the machines.



Jewellery Casting

For years we have trusted our top of the line Indutherm casting machines to perform our R&D and customer castings, it has never failed us. Be it 14k, 18K, 21K, 22K, 24K gold or silver jewellery. The yellow, rose and white gold all comes out flawless with unimaginable minimal loss figures.

You can trust us to deliver the highest quality of casting in a timely manner.



Notes

Our Services

3D Designing

3D Print Centre

Casting Services

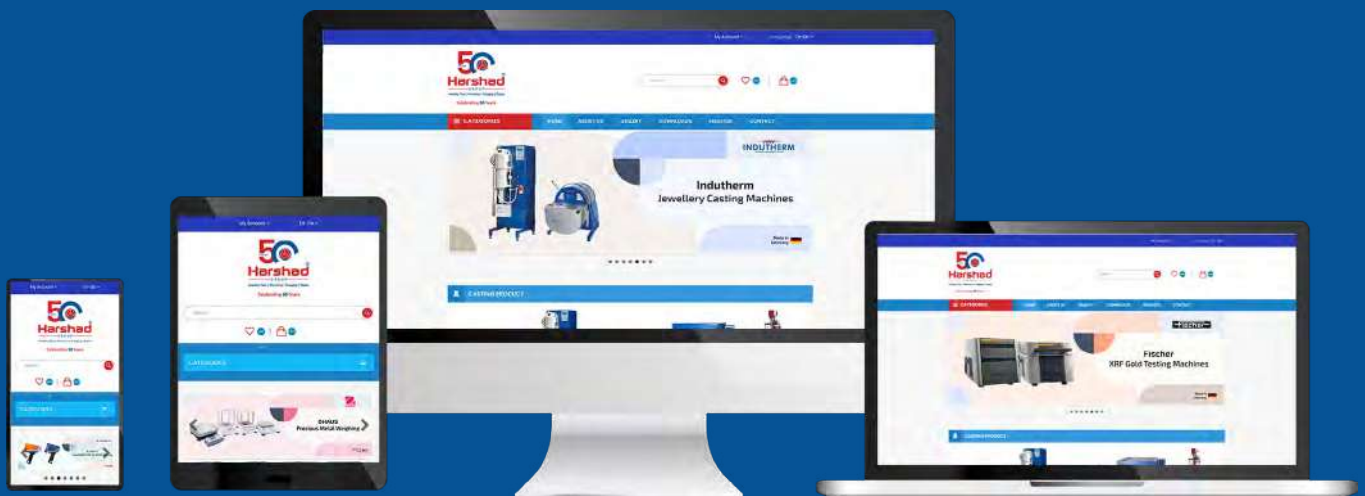
Casting Process Consultancy

Plating Process Consultancy

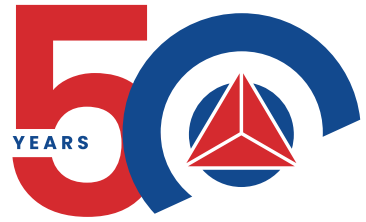
Turnkey Factory/ Workshop setup

Machine Repairing & Servicing

Weighing Balances Repairing & Servicing



Visit our website www.harshad.com to check all of our products



Harshad®

GROUP

Technology Driven Solutions

Celebrating 50+ Years

SCAN & CHAT TO INQUIRE



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Harshad Trading DMCC

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(Retail)

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Harshad Trading FZCO

Tel: +971 4 340 7065

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