

# ElettroLaser MS-3.5

## 35 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.



7" Touchscreen



Motorized Spot



LED Lighting



### 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
Laser source and wavelength	Nd: YAG 1064 nm
Average power	20 W
Peak power	3 kW
Energy	0.1 to 35 J
Impulse time	0.1 to 12 ms
Pulse frequency	0.5 to 6 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 (110 V on request)
Ampere	10 A
Type	Desktop
Argon nozzle	Yes



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<https://www.harshad.com/elettrolaser>

# ElettroLaser Master 4.0

## 165 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.



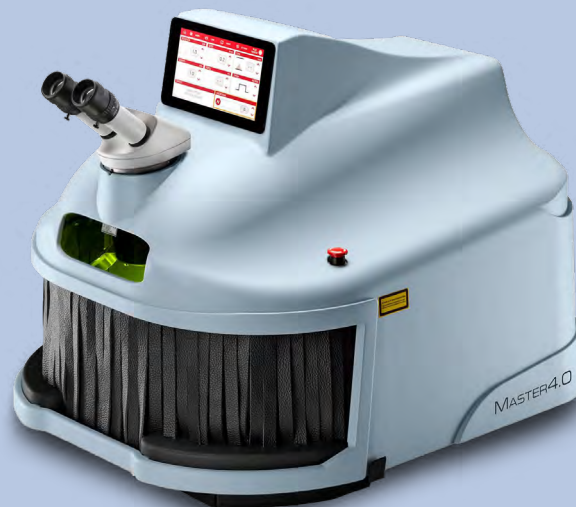
WI-FI



7" 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
Laser source and wavelength	Nd: YAG 1064 nm
Average power	100 W
Peak power	6.5 kW
Energy	165 J
Impulse time	0.1 ÷ 25 ms
Pulse frequency	0.5 ÷ 30 Hz
Spot diameter	0.2 ÷ 2.0 mm
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)
Ampere	10 A
Dimensions (LxDxH)	715 x 672 x 516 mm
Weight	30 kg



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# ElettroLaser

## Mega 5.0

### 230 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.



WI-FI



7" Touchscreen



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	100 W
Peak power	9 kW
Energy	230 J
Impulse time	0.1 ÷ 25 ms
Pulse frequency	0.5 ÷ 30 Hz
Spot diameter	0.2 ÷ 2.0 mm
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)
Ampere	10 A
Dimensions (LxDxH)	850 x 500 x 500 mm
Weight	35 kg



Mega 5.0 3D



Explore more

<https://www.harshad.com/elettrolaser>

# ElettroLaser

## Mega 6.0

### 245 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.



WI-FI



7" Touchscreen



Integrated Camera

#### Features

- \* Big laser rod
- \* 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

Specifications	Mega 6.0
Laser source and wavelength	Nd: YAG 1064 nm
Average power	100 W
Peak power	10 kW
Energy	245 J
Impulse time	0.1 ÷ 25 ms
Pulse frequency	0.5 ÷ 30 Hz
Spot diameter	0.3 ÷ 2.0 mm
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)
Ampere	10 A
Dimensions (LxDxH)	850 x 500 x 500 mm
Weight	35 kg



Mega 6.0 3D



Explore more

<https://www.harshad.com/elettrolaser>



# Elettrolaser MegaHIT 300

MegaHIT 300 was developed mainly for industrial applications and factories working with precious metals and is equipped with double in-line resonator that enables it to achieve an output of 300 J of effective energy.

Thanks to the double in-line laser bar, together with an enhanced capacitor bank, it allows to deliver greater power than the standard and guarantees greater ease in welding reflective materials such as silver.

The new cooling system, entirely designed by Elettrolaser, integrated into the pedestal, guarantees intensive use of the machine.



WI-FI



7" Touchscreen



Integrated Camera



## Features

- \* LED cold and white light in the chamber
- \* Wide welding chamber
- \* Integrated camera
- \* 7" colour touch screen display
- \* Stand Alone
- \* Internal joystick
- \* 100 programmable memories
- \* 24/7 non-stop working
- \* Ethernet port RJ 45 included

Specifications	MegaHIT 300	MegaHIT 300 3D
Laser source and wavelength	Nd: YAG 1064 nm	
Average power	150 W	
Peak power	15 kW	15 kW
Energy	0.1 to 300 J	0.1 to 300 J
Impulse time	0.1 to 20 ms	
Pulse frequency	0.5 to 40 Hz	
Spot diameter	0.2 to 2.0 mm	
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)	
Ampere	16 A	
Type	Pedestal	
Dimensions (LxDxH)	923 x 549 x 1267 mm	
Weight	85 kg	



Explore more

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