

Avalon Electropolishing Machines

Electropolishing is an electrochemical process that removes the outer layer of materials on a metal part without rounding the edges. It offers unique advantage of treating the areas on the work-piece, which is not approachable by common mechanical process. Moreover the finishing effect can be achieved in a very short time - from 5 to 35 min.



IQ PRO



IQ ECO

Technical Specifications	IQ PRO	IQ ECO
Power	230 V / 50 Hz	230 V / 50 Hz
Installed power	0.7 kW	0.4 kW
Operating voltage	0 - 30 V	0 - 30 V
Operating current	16 A max.	6 A max.
Number of hooks	80	32
Noise level	60 - 65 dB	60 - 65 dB
Dimensions (W x D x H)	1050 x 1050 x 650 mm	810 x 1220 x 510 mm
Weight	170 kg	88 kg



Before

After



Before

After



Before

After

Explore more
<https://www.harshad.com/avalon-finishing>



Avalon Disc Finishing Machines

TE Series (Stand-alone)



TE18



TE10x2



TE18x3

Model	Working bowl capacity	Working bowl inside diameter	Dimensions	Weight	Power	Supply
TE10	10 l	265 mm	460 x 910 x 1800 mm	101 kg	0.6 kW	230 V
TE10x2	2 x 10 l	2 x 265 mm	920 x 910 x 1800 mm	184 kg	1.2 kW	230 V
TE10x3	3 x 10 l	3 x 265 mm	1350 x 910 x 1800 mm	274 kg	1.8 kW	230 V
TE18	18 l	320 mm	460 x 910 x 1800 mm	124 kg	0.8 kW	230 V
TE18x2	2 x 18 l	2 x 320 mm	890 x 910 x 1800 mm	235 kg	1.2 kW	230 V
TE18x3	3 x 18 l	3 x 320 mm	1350 x 910 x 1800 mm	340 kg	1.8 kW	230 V
TE30	30 l	400 mm	500 x 1040 x 1800 mm	168 kg	1.5 kW	230 V
TE60	60 l	525 mm	1270 x 1160 x 1690 mm	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
TE10	10 l	265 mm	460 x 910 x 1800 mm	101 kg	0.6 kW	230 V
TE10x2	2 x 10 l	2 x 265 mm	920 x 910 x 1800 mm	184 kg	1.2 kW	230 V
TE10x3	3 x 10 l	3 x 265 mm	1350 x 910 x 1800 mm	274 kg	1.8 kW	230 V

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Avalon Round Vibratory Machines

W and WE Series



W50



W100



W15



WE6



WE10

Model	Working bowl capacity	Working bowl inside diameter	Dimensions	Weight	Power	Supply
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
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



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



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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