



PSAH-1005, 100" AC-HWDC Wet Horizontal MPI Machine

Item #: 10-01-04

Standard Features:

- Inspector Eye Adaption Timer built into the control panel
- Color Touch Screen with Virtual Instrumentation and Multiple Dynamic Ranges
- Multiple Dynamic Ranges Give Precise User Current Control
- Typical Repeatability within 1 to 2 Counts of LSD **Even at Low End**!
- Typical Useful Low End Down to 10 Amps!
- 3-Turn Current Control Pot with Amperage Preview for Easy Current Adjustment
- Automatic Preview Recalibration Keeps Preview within 1-2 Ammeter Counts
- Virtual Ammeter with Reading Hold Function Better Than 1% Accuracy
- Multi-Range Ammeter with Low Range Resolution of 1 Ampere
- Fully Variable - Closed Loop Current Control with Controlled Break Feature
- Maximum Current Limitation
- Automatic Amperage Preview Function
- Equipped with Solid State Controlled Break
- 100" Part Capacity Between Headstock and Tailstock using Copper Pads
- 240/480VAC 60Hz 1-Phase Input
- 12" Coil For Machines Up To 6,000A, Standard Coils Available Up to 30"
- Selectable AC or HWDC Magnetizing Waveforms
- Automatic Decaying AC Demag
- Solid State Head / Coil Switching - No Contactors!
- Solid State Demag Switching - No Reversing Contact (when Equipped with RDC)
- Adjustable Operator Control Panel for Operator Convenience
- Master Power Switch Located on Operator Control Panel
- Ventilator & White Light Switch Located On Operator Control Panel for Ease of Use
- Stainless Steel Bath Pump
- All Sequencing Controlled by Single Electronic Logic Unit
- Pump Operated By Solid State Contactor
- Equipped With Power Line Safety Contactor
- Magnetizing Pulse Selector Switch, Settable for Single or Dual Mag Shots
- Heavy Duty Copper Busswork Throughout
- Heavy Duty Copper Frame Feed-Thrus, No Secondary Cables Feeding Thru Frame
- Heavy Duty Dual Copper 250MCM Secondary Headstock and Tailstock Cables
- Heavy Duty Dual Copper 250MCM Secondary Coil Cables
- Automag Sequencing Control with Guarded Foot Switch
- Heavy Duty Pneumatic Headstock with Guarded Foot Switch
- Heavy Duty Crank Driven Tailstock
- Heavy-Duty 1" x 3" Solid Steel Bed Rails
- Heavy Duty Coil Carriage with Sealed Wheels
- Heavy Duty Hinged & Gasketed Front Doors with Twist Latches
- Heavy Duty Gasketed Rear Access Panels with Draw Latches
- 16 Ga. Stainless Steel Tank & Hip Bar Construction
- Hard Maple Grates Front and Rear - 100" Machine
- Pneumatic Filter, Regulator, Moisture Separator with Lockout Valve Included
- Paint Color - Magwerks Tan Baked Powder Coating
- Operator's / Maintenance Manual (In English)
- Standard Features, Options and Specifications Subject to Change Without Notice

Magwerks Catalog

Current Product



**Specifications Subject to Change Without Notice
Standard Line Voltage & Current Requirements**

- Recommended Wire Size: 1 AWG For ≤100 Ft. of Run
- Recommended Wire Size: 2 AWG For ≤100 Ft. of Run
- Recommended Wire Size: 6 AWG For ≤100 Ft. of Run
- Line Voltage & Current Requirements with Optional 18V Secondary Output
- Recommended Wire Size: 2/0 AWG For ≤100 Ft. of Run
- Recommended Wire Size: 3 AWG For ≤100 Ft. of Run

Option Group 1 Line Frequency

- 50Hz Line Frequency: 50Hz Line Frequency
- 60Hz Line - Std.: *60Hz Line Frequency

Option Group Autobath Assemblies

- 10-90-01: 18" Standard Headstock Mounted Autobath

Option Group Automation Accessories

10-90-03-02:	Automatic Lead Screw Coil or Halo Positioning System for 100" S/V-W/H, **Add Halo Option Separately** [Must have 6" MT Option]
10-90-03-10:	16" Halo Bathing Group, Add Coil Positioning System Separately
10-90-03-12:	20" Halo Bathing Group, Add Coil Positioning System Separately
10-90-03-14:	24" Halo Bathing Group, Add Coil Positioning System Separately
10-90-38:	Automatic Central Conductor Fixture

Option Group Bath System Upgrades

10-90-00-02:	Single Stainless Steel Pump Upgrade
10-90-60-50:	External Stainless Steel Basket Strainer Assembly

Option Group Bed Modification Options

01-01-50:	H/D Support Group for 100" Standard Standard Sized Bed
01-01-51:	H/D Support Group for 100" Machine with Lead Screw Coil Positioner or Halo Bath System

Option Group Cabinet Modifications, Standard 100"

10-90-60-01:	60" Tank & Frame Add on Option, Std Materials
10-90-60-21:	100" Cabinet Lock Set & Tool Operated Draw Latch Set
10-90-60-40-04:	Conveyor Cutout Block Off Insert, Stainless Steel
10-90-60-40-05:	Conveyor Cutout, for 18" Conveyor System (During Fabrication)
10-90-60-81-10:	Heat Exchanger Cutout, Right Hand End During Fabrication (For Later H/E Installation)

Option Group Coil Options

10-90-75-60:	Additional Non-Switched 6kA 12" Coil and Carriage Add On, Select Cables Separately
13-37-20-01:	0.375" Coil Riser Set
13-37-20-04:	0.75" Coil Riser Set
13-37-20-06:	1.5" Coil Riser Set
13-37-20-08:	3" Coil Riser Set
13-37-20-10:	4" Coil Riser Set

Option Group Coil Substitution Options, Air Core ≤6kA

04-01-16 Substitution:	16" Coil For Use On Machines Up To 6kA
04-01-18 Substitution:	18" Coil For Use On Machines Up To 6kA
04-01-20 Substitution:	20" Coil For Use On Machines Up To 6kA
04-01-26 Substitution:	26" Coil For Use On Machines Up To 6kA
04-01-28 Substitution:	28" Coil For Use On Machines Up To 6kA
04-01-30 Substitution:	30" Coil For Use On Machines Up To 6kA (Casting)

Option Group Control Features PSAH-1005

10-01-04-60:	6" Color MicroTouch Menu Option, NO RDC or VM
10-01-04-63:	6" Color MicroTouch Menu Option with 4.5 Digit ULR V/M & RDC
10-01-04-69:	Reversing DC Demag Option
10-01-04-77:	Split Push Bars with Dual Pots
10-01-04-84-01:	18 Volt Output Option

Option Group Control Features, Shared

10-90-10-03:	Remote Mag and Demag Pendant
10-90-10-04:	*External Mag Push Button Assembly with 20' Cable
10-90-10-13:	Dual "Palm" Control, 100" Cabinet - Adjustable Position, Conventional Buttons
10-90-10-14:	Dual Finger Opto-Touch Control, 100" Cabinet, Adjustable Position
10-90-10-36:	Safety Light Curtain Assembly, 16" Tall, Guarding Operator Side Only
10-90-94:	Bar Code Scanner Input Option for P-2000 Systems, (Bar Codes 128 & 39)

Option Group Foot Switch Packages

10-90-10-19-01:	*Independent, Guarded, Foot Switch Package - Wet Horizontal
10-90-10-19-02:	Dual, Guarded, Foot Switch Package - Wet Horizontal

Option Group Headstock and Tailstock Mounted Parts Rests

01-03-05-70:	Quick-Change Receiver for H/S & T/S Mounted Roller Rests
01-03-05-80:	Quick-Change Roller Rest Assembly with 6" x 2" Wheels
01-03-05-81:	Quick-Change Roller Rest Assembly with 8" x 1" Wheels
01-03-05-82:	Quick-Change Roller Rest Assembly with 9" x 1.5" Wheels

Option Group Headstock and Tailstock Options, 10kA S/V

01-02-25:	Headstock Assembly, 18.75" OAH, 4" Stroke Dual Guided Rod 8" x 10" Push Plate
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Option Group Headstock and Tailstock Options, 6kA S/V

01-02-03:	Headstock Assembly, +4" Taller, 6kA
01-02-04:	Headstock Assembly, +8" Taller, 6kA
01-02-05:	Headstock Assembly, Non-Extended Base, 6kA For Use with Quick-Change Roller Rests, 19" Overall Height
01-02-06:	Headstock Assembly, Extended Base, 6kA For Use with Quick-Change Roller Rests, 19" Overall Height
01-03-03:	Tailstock Assembly, +4" Taller, 6kA
01-03-04:	Tailstock Assembly, +8" Taller, 6kA
01-03-05:	Tailstock Assembly, 19" OAH, 6kA For Use with Quick Change Roller Rests, 6" Stroke SINGLE ROD Cylinder, Std. Pushplate, Shaft Drive, 7" Bed
10-90-39-02:	Tailstock Riser, 4" Standard
10-90-39-06:	Upgrade to 8" x 10" O/S Contact Tailstock, 18.75" Tall, Crank Driven with Dual Rod Pneumatic Part Clamping Capability
10-90-40-02:	Headstock Riser, 4" Standard

Option Group Heat Exchanger Options

10-90-60-81-04:	*4000 BTU Heat Exchanger Option, G280416G050
10-90-60-81-06:	6000 BTU Heat Exchanger Option, G280616G050

Option Group Hood Assemblies, 100" Wet Horizontals

10-90-21:	100" Extended Manual Non-Autobath Hood Assembly
10-90-22:	100" Standard Manual Autobath Hood Assembly
10-90-25:	100" Pneumatically Operated Swing Away Hood Frame, Ventilator, Curtain and White Lighting

Option Group Hood Assemblies, 172" & 192" Wet Horizontals

10-90-32:	172" Pneumatically Operated Swing Away Hood Frame, Ventilator and Curtain Assembly with White Lighting
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Option Group Line Voltage Options

10-01-06-85-32:	208v In -12V Out Using Buck Boost, Incoming Power Electrical Group (w/o A/C)
10-01-06-85-33:	208v In -18V Out Using Buck Boost, Incoming Power Electrical Group (w/o A/C)
10-01-06-85-35:	220/230v-50Hz Incoming Power without Heat Exchanger
10-01-06-85-36:	240/250v-50Hz Incoming Power Electrical Group (w/o A/C)
10-01-06-85-37:	315v-50Hz Incoming Power Electrical Group (w/o A/C)
10-01-06-85-38:	380v-50Hz Incoming Power Electrical Group (w/o A/C)
10-01-06-85-39:	400v-50Hz Incoming Power Electrical Group (w/o A/C)
10-01-06-85-40:	415v-50Hz Incoming Power Electrical Group (w/o A/C)
10-01-06-85-41:	440/450v-50Hz Incoming Power Electrical Group (w/o A/C)
10-01-06-85-45:	575v-60Hz Incoming Power Electrical Group (w/o A/C)

Option Group Poly Grate Upgrade

08-01:	54" UV-Stabilized Poly Grate Set Upgrade for Water and Oil Baths
08-04:	100" UV-Stabilized Poly Grate Set Upgrade for Water and Oil Baths
08-07:	100" Poly Grate Set for Use with HD Bed Supports & Halo, Set of 3 Grates Front Grates

Option Group Startup Materials and Accessory Packages

13-95-11:	Startup Materials Group, Level 0 - For Wet Horizontals
13-95-12:	Startup Materials Group, Level 1 - For Wet Horizontal Machines
13-95-13:	Startup Materials Group, Level 2 - For Wet Horizontal Machines



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