

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 Panell 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



Specifications Subject to Change Without Notice

Standard Line Voltage & Current Requirements

VAC: 208, 60Hz, Recommended Service Size: 150, Fuse Type: Time Delay Dual Eleme
 Recommended Wire Size: 1 AWG For ≤100 Ft. of Run
 VAC: 240, 60Hz, Recommended Service Size: 130, Fuse Type: Time Delay Dual Eleme
 Recommended Wire Size: 2 AWG For ≤100 Ft. of Run
 VAC: 480, 60Hz, Recommended Service Size: 70, Fuse Type: Time Delay Dual Elemer
 Recommended Wire Size: 6 AWG For ≤100 Ft. of Run

Line Voltage & Current Requirements with Optional 18V Secondary Output
 VAC: 240, 60Hz, Recommended Service Size: 195, Fuse Type: Time Delay Dual Eleme
 Recommended Wire Size: 2/0 AWG For ≤100 Ft. of Run
 VAC: 480, 60Hz, Recommended Service Size: 105, Fuse Type: Time Delay Dual Eleme
 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

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
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