

## PSAF-1006 Single Vector Wet Horizontal

Part# 10-01-08

6,000 Amp maximum capacity\*\*

3 Magnetizing Waveforms Standard; AC, HWDC, and FWDC



### Standard Features:

Selectable AC, HWDC or FWDC Magnetizing Waveforms  
 Color Touch Screen with Virtual Instrumentation and Multiple Dynamic Ranges  
 Typical Shot Repeatability within 1 to 2 Counts of LSD, Even at Low End Current Settings  
 Ultra-Low Range Mode Now Standard with a 1 Amp Resolution  
 Typical Useful Low End Operation Down to 10 Amps  
 Automatic Preview Recalibration Keeps Shot Preview within 1-2 Ammeter Counts  
 Eye Adaptation Timer Built In on Operator Panel Touch Screen  
 240VAC or 480VAC 60Hz Input, HD single winding secondary transformer  
 100" Part Capacity Between Headstock and Tailstock with Copper Pads  
 12" ID 5 Turn Coil Standard Optional Coils Available Up to 30" ID  
 Automatic Decaying AC Demag Standard with Optional Reversing DC De-mag Available  
 Digital Ammeter with Reading Hold Function, **1% Accuracy**  
 Adjustable Operator Control Panel for Operator Convenience  
 Fully Variable - Closed Loop Current Control  
 Master Power Switch Located on the Operator Control Panel  
 Ventilator and White Light Switch Located On Operator Control Panel  
 Maximum Current Limitation Safety Built In  
 Solid State Head / Coil Switching - No Contactors  
 Solid State Demag Switching - No Reversing Contactors  
 All Sequencing Controlled by Single Electronic Logic Unit  
 Pump Operated by a Solid State Contactor  
 Equipped With Power Line Safety Contactor  
 Equipped with Controlled Break  
 Shot Selector Switch, Supervisor Settable for Single or Dual Mag Shots  
 Heavy Duty Solid Copper Busswork Throughout  
 Automag Sequencing Control with Guarded Foot Switch  
 Heavy Duty Pneumatic Clamping 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 Rock Maple Grates Front and Rear  
 Pneumatic Filter, Regulator, Moisture Separator with Lockout Valve Included  
 Cabinet Finish Magwerks Tan Baked Industrial Powder Coating  
 Includes Operator's / Maintenance Manual (In English)  
 Standard Features, Options and Specifications Subject to Change Without Notice

\*\*Maximum amperage rating is during FWDC operation only.

Options and configurations available:

#### Option Group Autobath Assemblies

10-90-05: 18" Standard Headstock Mounted Autobath

#### Option Group Automation Accessories

10-90-03-02: Automatic Coil Positioning System, 100" Machine

10-90-03-14: 24" Halo Bathing System Group To Be Used with Either Coil Positioning System

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

## Magwerks Catalog

Current Product



Specifications Subject to Change Without Notice

#### Standard Line Voltage & Current Requirements

VAC: 208, 60Hz, Recommended Service Size: 230, Fuse Type: 225 Time Delayed

Recommended Wire Size: 3/0 AWG For ≤100 Ft. of Run

VAC: 240, 60Hz, Recommended Service Size: 200, Fuse Type: 200 Time Delayed

Recommended Wire Size: 3/0 AWG For ≤100 Ft. of Run

VAC: 480, 60Hz, Recommended Service Size: 100, Fuse Type: 100 Time Delayed

Recommended Wire Size: 3 AWG For ≤100 Ft. of Run

Line Voltage & Current Requirements with Optional 18V Secondary Output

VAC: 480, 60Hz, Recommended Service Size: 150, Fuse Type: 150 Time Delayed

Recommended Wire Size: 1 AWG For ≤100 Ft. of Run

<b>Option Group</b>	<b>Bed Modification Options</b>
01-01-50:	H/D Support Group for 100" Standard Standard Sized Bed
<b>Option Group</b>	<b>Cabinet Modifications, Standard 100"</b>
10-90-60-01:	60" Tank & Frame Add on Option with dual pumps for 172" Part Capacity
10-90-60-21:	100" Cabinet Lock Set & Tool Operated Draw Latch Set
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)
<b>Option Group</b>	<b>Coil Options</b>
10-90-75-56:	Additional 12" Coil and Carriage Add On (Up to 6kA, Select Cable Kit 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
<b>Option Group</b>	<b>Coil Substitution Options, Air Core ≤6kA</b>
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
04-01-24 Substitution:	24" 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)
<b>Option Group</b>	<b>Control Features PSAF-1006</b>
10-01-08-60:	6" Color MicroTouch Menu Option with Ammeters
10-01-08-63:	6" Color MicroTouch Menu Option with 4.5 Digit ULR VM & RDC
10-01-08-69:	Reversing DC Demag Option, 6kA
10-01-08-70:	Reversing DC Demag Option, 10kA, (Including 10kA Stacks)
10-01-08-77:	Split Push Bars with Dual Pots
10-01-08-78:	Mag Current Range Expander - (Fine Current Control)
10-01-08-84-01:	18 Volt Output Option
<b>Option Group</b>	<b>Control Features, Shared</b>
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
10-90-36:	Light Curtain Assembly, 16 Inch Tall, Operator Side
<b>Option Group</b>	<b>Foot Switch Packages</b>
10-90-10-19-01:	*Independent, Guarded, Foot Switch Package - Wet Horizontal
10-90-10-19-02:	Dual, Guarded, Foot Switch Package - Wet Horizontal
<b>Option Group</b>	<b>Headstock and Tailstock Mounted Parts Rests</b>
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
<b>Option Group</b>	<b>Headstock and Tailstock Options, 6kA S/V</b>
01-02-03:	Headstock Assembly, +4" Taller, 6kA
01-02-04:	Headstock Assembly, +8" Taller, 6kA
01-02-05:	Headstock Assembly, +4" Taller, 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, +4" Taller, 6kA For Use with Quick Change Roller Rests, 6" Stroke SINGLE ROD Cylinder, Std. Pushplate, Shaft Drive, 7" Bed, 19" OAH
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
<b>Option Group</b>	<b>Heat Exchanger Options</b>

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**

10-90-20: 100" Standard Manual Non-Autobath Hood Assembly

10-90-21: 100" Extended Manual Non-Autobath Hood Assembly

10-90-22: 100" Standard Manual Autobath Hood Assembly

**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, PSAF-1006**

10-01-08-85-35: 220/230v-50Hz Incoming Power Electrical Group

10-01-08-85-36: 240/250v-50Hz Incoming Power Electrical Group

10-01-08-85-37: 315v-50Hz Incoming Power Electrical Group

10-01-08-85-38: 380v-50Hz Incoming Power Electrical Group

10-01-08-85-39: 400v-50Hz Incoming Power Electrical Group

10-01-08-85-40: 415v-50Hz Incoming Power Electrical Group

10-01-08-85-41: 440/450v-50Hz Incoming Power Electrical Group

10-01-08-85-45: 575v-60Hz Incoming Power

10-01-08-85-46: 575v-60Hz Incoming Power Using Buck-Boost

**Option Group Optional Substitute Coils, Air Core Weldment ≤ 6000A**

04-03-30 Substitution: 30" Coil, Wet Horizontal MPI Up To 6,000A (Weldment)

**Option Group Poly Grate Upgrade**

08-04: 100" UV-Stabilized Poly Grate Set Upgrade for Water and Oil Baths

**Option Group Startup Materials and Accessory Packages**

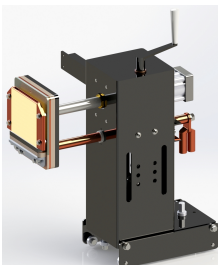
13-95-07: Startup Materials Group, Level 0 - For Wet Horizontals

13-95-08: Startup Materials Group, Level 1 - For Wet Horizontal Machines

13-95-09: Startup Materials Group, Level 2 - For Wet Horizontal Machines



PSAF 1006 with cabinet extension option for 172" part capacity.  
Model shown with Heavy Duty Oversize headstock and Tailstock and 30" Coil



6" Stroke Pneumatic Clamping Tailstock Option available for equal part clamping pressure on both ends. Adjustable quick change roller rests are also available.



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