

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.



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

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

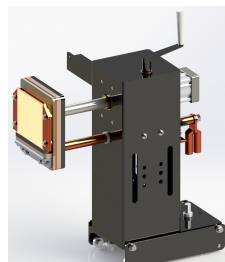
10-90-00-02: Single Stainless Steel Pump Upgrade
 10-90-60-50: External Stainless Steel Basket Strainer Assembly

Option Group	Bed Modification Options
01-01-50:	H/D Support Group for 100" Standard Standard Sized Bed
Option Group	Cabinet Modifications, Standard 100"
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)
Option Group	Coil Options
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
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
04-01-24 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)
Option Group	Control Features PSAF-1006
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
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
10-90-36:	Light Curtain Assembly, 16 Inch Tall, Operator Side
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, 6kA S/V
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
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
10-90-20:	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 $\leq 6000A$
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.