

PSAF-546, 54" Wet Horizontal MPI Machine, 5000 Amp AC & HWDC, 6000 Amp FWDC

Item #: 10-01-07

Standard Features:

Color Touch Screen with Virtual Instrumentation
 Multiple Dynamic Ranges Give Precise User Current Control
 Ultra-Low Range Mode Now Standard with a 1 Amp Resolution
 Typical Repeatability within 1 to 2 Counts of LSD, Even at Low End!
 Typical Useful Low End Down to 10 Amps!
 Automatic Recalibration for Dynamic Preview Keeps Preview within 1-2 Ammeter Counts.
 Integrated Eye Adaptation Timer on Operator Console
 NFPA 79 Compliant Electrical Panel
 240VAC / 480VAC 60Hz Input with 1 Phase Main Power Transformer
 54" Part Capacity Between Headstock and Tailstock with Copper Pads
 12" Coil For Machines Up To 6,000A, Standard Coils Available Up to 30"
 Selectable AC, HWDC or FWDC Magnetizing Waveforms
 Automatic Decaying AC Demag Standard
 Adjustable Operator Control Panel for Operator Convenience
 Fully Variable Closed Loop Current Control
 Master Power Switch Located on Operator Control Panel
 Ventilator and White Light Switches Located On Operator Control Panel
 Maximum Current Limitation Safety
 Solid State Head and Coil Switching - No Contactors!
 Solid State De-mag Switching - No Reversing Contactors!
 All Sequencing Controlled by Single Electronic Logic Unit
 Pump Operated By Solid State Contactor
 Equipped With Power Line Safety Contactor Standard
 Equipped with Controlled Break Feature
 Shot Selector Switch, Supervisor Settable - Single or Dual Mag Shots
 Heavy Duty Solid Copper Buswork Throughout
 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 and 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, Pressure Regulator, Moisture Separator with Shut Off Valve Included
 Paint Cabinet Finish - Magwerks Tan Baked Industrial 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: 230, Fuse Type: 225 Time Delayed
 Recommended Wire Size: 3/0 AWG For ≤100 Ft. of Run
 VAC: 240, 60Hz, Recommended Service Size: 190, Fuse Type: 190 Time Delayed
 Recommended Wire Size: 2/0 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

10-90-03-10: 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	Cabinet Modifications, Standard 54"
10-90-60-02:	120" Tank & Frame Add on Option, Std Materials
10-90-60-15:	Lock Set for 54" Cabinet (Keyed Alike); This Replaces The Rear Draw Latches and Adds Door Locks
10-90-60-20:	Lock Set & Tool Operated Draw Latch Set, 54" Cabinet
10-90-60-40-04:	Conveyor Cutout Block Off Insert, Stainless Steel
10-90-60-40-05:	Conveyor Cutout, for Magwerks 18" Conveyor System (During Fabrication)
10-90-60-81-10:	Heat Exchanger Cutout & Blockoff Plate, Right Hand End (During Fabrication for Later Installation)
Option Group	Coil Options
10-90-75-56:	Additional Non-Switched 6kA 12" Coil and Carriage Add On, Select Cables Separately
10-90-75-59:	Additional Non-Switched 6kA 16" 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
04-01-24 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-546
10-01-07-63:	6" Color MicroTouch Menu Option with 4.5 Digit ULR Virtual Metering & RDC
10-01-07-69:	Reversing DC Demag Option
10-01-07-77:	Split Push Bars with Dual Pots
10-01-07-78:	Mag Current Range Expander - (Fine Current Control)
10-01-07-84-01:	18 Volt Output Option
10-01-07-xx:	Pulser Function for Use with P2000 PLCs
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
10-90-10-11:	Dual Palm Buttons, 54" Cabinet - Adjustable Position, Conventional Buttons
10-90-10-12:	Dual Finger Control, 54" Cabinet - Adjustable Position Opto-Touch Finger Style
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, 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, +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, 44" & 54" Wet Horizontals
10-90-17:	54" Extended Hood Ventilator & White Light
10-90-18:	54" Autobath Hood, Ventilator & White Light
10-90-19:	54" Pneumatically Operated Swing Away Hood
Option Group	Line Voltage Options, PSAF-546
10-01-07-85-35:	Optional 220/230v-50Hz Incoming Power Electrical Group, PSAF-546
10-01-07-85-36:	Optional 240/250v-50Hz Incoming Power Electrical Group, PSAF-546
10-01-07-85-37:	Optional 315v-50Hz Incoming Power Electrical Group, PSAF-546
10-01-07-85-38:	Optional 380v-50Hz Incoming Power Electrical Group, PSAF-546
10-01-07-85-39:	Optional 400v-50Hz Incoming Power Electrical Group, PSAF-546
10-01-07-85-40:	Optional 415v-50Hz Incoming Power Electrical Group, PSAF-546
10-01-07-85-41:	Optional 440/450v-50Hz Incoming Power Electrical Group, PSAF-546
10-01-07-85-45:	Optional 575v-60Hz Incoming Power Electrical Group, PSAF-546
10-01-07-85-46:	Optional 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
08-01:	54" 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

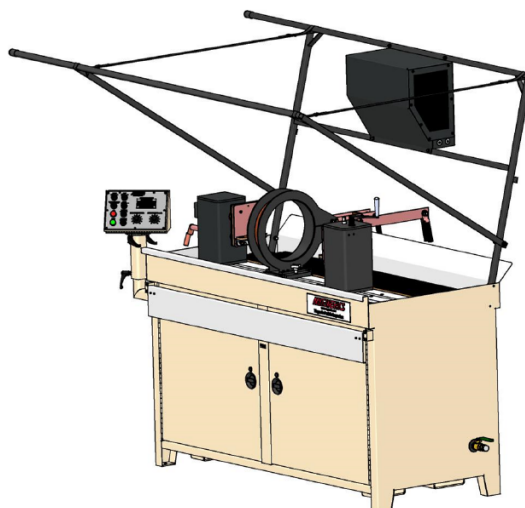


Image above shown with Swing-A-Way Hood frame assembly with powered ventilation and white light installed. Hood fabric not shown.