



PSF-10010 10,000 Amp FWDC Single Vector Wet Horizontal

Item #: 10-01-20

Standard Features:

Color Touch Screen with Virtual Instrumentation and Multiple Dynamic Ranges
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 Preview Recalibration Keeps Preview within 1-2 Ammeter Counts
480VAC 60Hz 3-Phase Input
100" Part Capacity Between Headstock and Tailstock with Copper Pads
172" Part Capacity With Extension Cabinet Option
12" Magnetizing Coil, Optional Coils Available Up to 36" Inside Diameter
FWDC Magnetizing Waveform
Digital Ammeter with Reading Hold Function, 1% Accuracy
Adjustable Operator Control Panel for Operator Convenience
Fully Variable - Closed Loop Current Control with Controlled Break Feature
Master Power Switch Located on Operator Control Panel
Ventilator & White Light Switch Located On Operator Control Panel
Maximum Current Limitation
Solid State Head / Coil Switching - No Contactors!
Solid State Demag Switching - No Reversing Contactors!
External 500MCM Cable Used in Place of Standard 4/0 For Coil and Head / Tailstock
No Secondary Cables Through Cabinet, All Terminations are 1-1/2" Solid Copper Bar
Heavy Duty Copper Buswork Used Throughout
All Sequencing Controlled by Single Electronic Logic Unit
Pump Operated By Solid State Contactor
Equipped With Power Line Safety Contactor
Equipped with Controlled Break Feature Standard
Shot Selector Switch, Supervisor Settable - Single or Dual Mag Shots
Automag Sequencing Control with Guarded Foot Switch
Heavy Duty Pneumatic Headstock with Guarded Foot Switch Control
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 Standard
Pneumatic Filter, Regulator, Moisture Separator with Shutoff Valve Included
Paint Color - Magwerks Tan Industrial 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: 345, Fuse Type: 345 T/D
Recommended Wire Size: 4/0 AWG For ≤100 Ft. of Run
VAC: 240, 60Hz, Recommended Service Size: 300, Fuse Type: 300 T/D
Recommended Wire Size: 4/0 AWG For ≤100 Ft. of Run
VAC: 480, 60Hz, Recommended Service Size: 150, Fuse Type: 150 T/D
Recommended Wire Size: 1 AWG For ≤100 Ft. of Run

Line Voltage & Current Requirements with Optional 18V Secondary Output
VAC: 480, 60Hz, Recommended Service Size: 225, Fuse Type: 225 T/D
Recommended Wire Size: 3/0 AWG For ≤100 Ft. of Run

Option Group

Autobath Assemblies

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

Option Group

Automation Accessories

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|--------------|--|
| 10-90-03-02: | Automatic Coil Positioning System, 100" Machine |
| 10-90-03-02: | Automatic Coil Positioning System using Halo Bath Sprayer, Add Halo Group Separately |
| 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 |

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| 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, Std Materials |
| 10-90-60-03: | 24" Cabinet and Bed Extension (To Add 24" of Length Capacity to Machine) |
| 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 | Control Features, PSF-10010 |
| 10-01-20-61: | 6" Color MicroTouch Menu Option & RDC, NO VM |
| 10-01-20-63: | 6" Color MicroTouch Menu Option with 4.5 Digit Current Control, RDC & VM |
| 10-01-20-66: | Split Coil Channel for Use with Second Coil, PSF-10100 (Will Work with RDC) |
| 10-01-20-69: | Reversing DC Demag Option |
| 10-01-20-73: | 5kA AC Mag & Demag Option Group, PSF-10100 |
| 10-01-20-75: | 1.5Hz Low Frequency AC Demag Option (With RDC Only) |
| 10-01-20-77: | Split Push Bars with Dual Pots |
| 10-01-20-78: | Mag Current Range Expander - (Fine Current Control) |
| 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 |
| 01-02-11: | Headstock Assembly, +4" Taller, 10kA |
| 01-02-12: | Headstock Assembly, +8" Taller, 10kA |
| 01-02-16: | Headstock Assembly, +8" Taller, 10kA Dual Rod, 4" Stroke |
| 01-02-16: | Headstock Assembly, S/V, 10kA For Use with Q/C Roller Rests, 4" Stroke, Dual Rod Cylinder Pushplate Assemblies, 7" Bed, 18.88" OAH |
| 01-02-25: | Headstock Assembly, 18.75" OAH, 4" Stroke Dual Guided Rod 8" x 10" Push Plate |
| 01-03-11: | Tailstock Assembly, +4" Taller, 10kA |
| 01-03-12: | Tailstock Assembly, +8" Taller, 10kA |
| 01-03-16: | Tailstock Assembly, S/V, 10kA For Use with Q/C Roller Rests, DUAL ROD Cylinder 3" Stroke, 8"x10" Contact Plate Shaft Drive, 7" Bed, 18.88" OAH |
| 01-03-25: | Tailstock Assembly, HD-OS, 10kA S/V, 4" Stroke DUAL ROD Cylinder, AD-3 Gear Box Driven, Rear Crank, 8" x 10" Contact Plates, 18.75" Height (Fits 7" Bed) |
| 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 Optional Substitute Coils, Air Core Weldment $\leq 10,000A$

04-02-24 Substitution: 24" Coil, Wet Horizontal MPI Up To 10kA (Weldment)

Option Group Optional Substitute Standard Coils, Air Core $\leq 10kA$

04-02-14: 14" Coil For Use On Machines Up To 10kA (Substitution)

04-02-16: 16" Coil For Use On Machines Up To 10kA (Substitution)

04-02-18 : 18" Coil For Use On Machines Up To 10kA (Substitution)

04-02-20: 20" Coil For Use On Machines Up To 10kA (Substitution)

04-02-24: 24" Coil For Use On Machines Up To 10kA (Substitution)

04-02-26: 26" Coil For Use On Machines Up To 10kA (Substitution)

04-02-28: 28" Coil For Use On Machines Up To 10kA (Substitution)

04-02-30: 30" Coil For Use On Machines Up To 10kA (Substitution)

04-02-36: 36" Coil For Use On Machines Up To 10kA (Substitution)

Option Group Poly Grate Upgrade

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

Image List:



Model above shown with 172: part capacity extension cabinet option.