

## MV-3926 3-Vector, 92" Multi-Directional Wet Horizontal MPI Machine

Item #: 10-01-37

### 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  
 Independent Ammeters with Reading Hold Function, 1% Accuracy  
 240VAC / 480VAC 60Hz 3-Phase Input  
 Output 6,000 Amps Maximum, Contact Vector FWDC  
 92" Part Capacity Between Headstock and Tailstock with Copper Pads  
 12" Air Core Coil, Standard Coils Available Up to 30"  
 AC - HWDC- FWDC Selectable Magnetizing Waveforms  
 Fully Variable - Closed Loop Current Control with Controlled Break Feature  
 Adjustable Operator Control Panel for Operator Convenience  
 Master Power Switch Located on Operator Control Panel  
 Ventilator & White Light Switch Located On Operator Control Panel  
 Maximum Current Limitation  
 Solid Statel Switching Between Vectors  
 Can Be Operated In Coil, Contact, Booster or Multi-Directional Modes  
 Solid State Demag Switching - No Reversing Contact  
 All Sequencing Controlled by Single Electronic Logic Unit  
 Automatic Decaying AC Demag Standard  
 Pump Operated By Solid State Contactor  
 Equipped With Power Line Safety Contactor  
 Equiped with Controlled Break  
 Shot Selector Switch, Supervisor Settable - Single or Dual Mag Shots  
 Heavy Duty Copper Busswork Throughout  
 Automag Sequencing Control with Guarded Foot Switch  
 Heavy Duty Pneumatic Headstock with Guarded Foot Switch  
 Headstock Weight Load is Transferred To a Roller Slide- No Weight on the Cylinder!  
 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  
 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



Model above shown with optional second coil and optional cabinet cooler

#### 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: 350 MCM For ≤100 Ft. of Run  
 VAC: 240, 60Hz, Recommended Service Size: 300, Fuse Type: 300 T/D  
 Recommended Wire Size: 250 MCM 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: 240, 60Hz, Recommended Service Size: 450, Fuse Type: 450 T/D  
 Recommended Wire Size: 500MCM For ≤100 Ft. of Run  
 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 1 Line Frequency Pump Group

\*60Hz 1-Phase, 1-Pump Group 100Hz 1-Phase, 1-Pump Group

### Option Group Autobath Assemblies

10-90-01: 18" Standard Headstock Mounted Autobath

### Option Group Automation Accessories

<b>Option Group</b>	<b>Bath System Modifications</b>
10-90-00-02:	Single Stainless Steel Pump Upgrade
10-90-00-10:	Variable Speed Stainless Steel Centrifugal Pump Group, 1/2 HP 3-Phase
10-90-60-50:	External Stainless Steel Basket Strainer Assembly
50Hz 1-Phase, 1-Pump Group:	50Hz 1-Phase, 1-Pump Group
<b>Option Group</b>	<b>Bed Modification Options</b>
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
<b>Option Group</b>	<b>Cabinet Modifications, Standard 100"</b>
10-90-60-01:	72" Tank & Frame Add on Option, Std Materials
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>
10-90-75-60:	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
13-37-20-07:	2" 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, MV-3926</b>
10-01-37-63:	6" Color MicroTouch Menu Option with 4.5 Digit ULR Current Control, RDC & V/M
10-01-37-69:	Reversing DC Demag Option
10-01-37-80:	Split Coil Channel with 16" Air Core Coil and Carriage
10-01-37-84-04:	18 Volt Secondary 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
10-90-10-36:	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)
<b>Option Group</b>	<b>Fixturing Packages</b>
<b>Option Group</b>	<b>Foot Switch Packages</b>
	*Independent, Guarded, Foot Switch Package - Wet Horizontal
10-90-10-19-01:	Dual, Guarded, Foot Switch Package - Wet Horizontal
10-90-10-19-02:	<b>Headstock and Tailstock Options, M/V</b>
<b>Option Group</b>	MV Tailstock, 6" Coil Extension Kit
01-03-48-80:	MV Tailstock, 12" Coil Extension Kit
01-03-49-81:	4" Taller M/V Tailstock, Pneumatic Clamping with Gear Drive for Travel (17" Hgt)
01-03-56:	4" Riser Assembly, M/V Tailstock (with Shafts)
10-90-39-03:	4" Taller M/V Tailstock Assembly (17" Hgt)
10-90-39-04:	4" Taller M/V Headstock Assembly (17")
10-90-40-04:	
<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

<b>Option Group</b>	<b>Hood Assemblies, 100" Wet Horizontals</b>
10-90-21:	100" Extended Manual Non-Autobath Hood Assembly
10-90-22:	100" Standard Manual Autobath Hood Assembly
<b>Option Group</b>	<b>Hood Assemblies, 172" &amp; 192" Wet Horizontals</b>
10-90-32:	172" Pneumatically Operated Swing Away Hood Frame, Ventilator and Curtain Assembly with White Lighting
<b>Option Group</b>	<b>Optional Substitute Coils, Air Core Weldment <math>\leq 6000A</math></b>
04-03-30 Substitution:	30" Coil, Wet Horizontal MPI Up To 6,000A (Weldment)
<b>Option Group</b>	<b>Poly Grate Upgrade</b>
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 Set of 3 Grates Front Grates
<b>Option Group</b>	<b>Secondary Cable Group</b>
10-01-37-94:	Secondary Cable Group with 60" Extension Cabinet, Std H/S & T/S
10-01-37-95:	Secondary Cable Group with 60" Extension Cabinet & +4" Pneumatic T/S
<b>Option Group</b>	<b>Startup Materials and Accessory Packages</b>
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



Above photo shows the machine with a 72" extension cabinet