

## MV-2446 2-Vector, 44" Multi-Directional Wet Horizontal MPI Machine

Item #: 10-01-33

### 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  
 Built in eye adaptation timer feature on the control panel  
 240VAC / 480VAC 60Hz 3-Phase Input  
 44" Part Capacity Between Headstock and Tailstock with Copper Pads  
 4,000 Amp AC - 5,000 Amp HWDC - 6,000 Amp FWDC Selectable Magnetizing Waveforms  
 Automatic Decaying AC De-mag  
 Adjustable Operator Control Panel for Operator Convenience  
 Digital Ammeter with Reading Hold Function, 1% Accuracy  
 Pump Operated By a Solid State Contactor  
 Ventilator & White Light Switch Located On Operator Control Panel  
 Master Power Switch Located on Operator Control Panel  
 Shot Selector Switch, Supervisor Settable - Single or Dual Mag Shots  
 Automag Sequencing Control with Guarded Foot Switch  
 All Sequencing Controlled by Single Electronic Logic Unit  
 Equipped with Controlled Break Feature Standard  
 Equipped With Power Line Safety Contactor  
 Fully Variable - Closed Loop Current Control  
 Automatic Maximum Current Limitation  
 Solid State Demag Switching - No Reversing Contacts  
 Solid State Head / Coil Switching Between Vectors  
 16 Ga. Stainless Steel Tank & Hip Bar Construction  
 Hard Maple Grates Front and Rear  
 Headstock Weight Load is Transferred To a Roller Slide- No Weight on the Cylinder!  
 Heavy Duty Pneumatic Headstock with Guarded Foot Switch  
 Heavy-Duty 1" x 3" Solid Steel Bed Rails  
 Heavy Duty Copper Busswork Throughout, All secondary Cables External  
 Heavy Duty Crank Driven Tailstock  
 Heavy Duty Gasketed Rear Access Panels with Draw Latches  
 Heavy Duty Hinged & Gasketed Front Doors with Twist Latches  
 Pneumatic Filter, Regulator, Moisture Separator with Shut Off 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: 240, 60Hz, Recommended Service Size: 225, Fuse Type: 225 T/D  
 Recommended Wire Size: 3/0 AWG For ≤100 Ft. of Run  
 VAC: 480, 60Hz, Recommended Service Size: 125, Fuse Type: 125 T/D  
 Recommended Wire Size: #2 AWG For ≤100 Ft. of Run



Shown above with optional 18" Autobath and Conveyor Cutout

### Option Group

#### Autobath Assemblies

- 10-90-01: Axially Mounted Autobath for Parts Up to 44" in Length  
 10-90-05: 18" Standard Headstock Mounted Autobath

### Option Group

#### Automation Accessories

- 10-90-03-10: 16" Halo Bathing System Group To Be Used with Either Coil Positioning System  
 10-90-03-12: 20" Halo Bathing System Group To Be Used with Either Coil Positioning System  
 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

#### Cabinet Modifications, Standard 54"

- 10-90-60-02: 120" Tank & Frame Add on Option, Std Materials

10-90-60-20:	54" 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 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 12" Coil and Carriage Add On (Up to 6kA, Select Cable Kit Separatly)
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#### Option Group

#### Control Features, MV-2446

10-01-33-63:	6" Color MicroTouch Parts Menu Option with 4.5 Digit Current Control and Reversing DC Demag
10-01-33-69:	Reversing DC Demag Option
10-01-33-79:	Pusler Function for Toroidal Work
10-01-33-80:	Split Coil Channel with 16" Air Core Coil and Carriage

#### 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

#### 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 Options, M/V

01-03-48-80:	MV Tailstock, 6" Coil Extension Kit
01-03-49-81:	MV Tailstock, 12" Coil Extension Kit
01-03-56:	4" Taller M/V Tailstock, Pneumatic Clamping with Gear Drive for Travel (17" Hgt)
10-90-39-03:	4" Riser Assembly, M/V Tailstock (with Shafts)
10-90-39-04:	4" Taller M/V Tailstock Assembly (17" Hgt)
10-90-40-04:	4" Taller M/V Headstock Assembly (17")

#### 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 for MV-2446

10-01-33-85-35:	220/230v-50Hz Incoming Power for MV-2446
10-01-33-85-36:	Optional 240/250v-50Hz Incoming Power Electrical Group, MV-2446
10-01-33-85-37:	Optional 315v-50Hz Incoming Power Electrical Group, MV-2446
10-01-33-85-38:	Optional 380v-50Hz Incoming Power Electrical Group, MV-2446
10-01-33-85-39:	Optional 400v-50Hz Incoming Power Electrical Group, MV-2446
10-01-33-85-40:	Optional 415v-50Hz Incoming Power Electrical Group, MV-2446
10-01-33-85-41:	Optional 440/450v-50Hz Incoming Power Electrical Group, MV-2446
10-01-33-85-45:	Optional 575v-60Hz Incoming Power Electrical Group, MV-2446

#### Option Group

#### Poly Grate Upgrade

08-01:	54" UV-Stabilized Poly Grate Set Upgrade for Water and Oil Baths
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#### 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