

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 Separately)
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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

