

MVS-2445 2-Vector, 44" Multi-Directional Wet Horizontal MPI Machine

MVS-2925 2-Vector, 92" Multi-Directional Wet Horizontal MPI Machine

Item #: **44" Part Length Capacity - 10-01-30**

92" Part Length Capacity - 10-01-31

Standard Features:

AC - HWDC Selectable Magnetizing Waveforms
 4000A AC, 5000A HWDC Contact Rating Current
 44" Part Capacity Between Headstock and Tailstock with Copper Pads
 Color Touch Screen with Virtual Instrumentation and Multiple Dynamic Ranges
 Multiple Dynamic Ranges Give Precise User Current Control
 Adjustable Eye Adaption Timer Integrated into Touch Screen
 Fully Variable - Closed Loop Current Control with Controlled Break Feature
 3-Turn Current Control Pot with Amperage Preview for Easy Current Adjustment
 Maximum Current Limitation Feature Standard
 Selectable Single or Dual Mag Shots
 Virtual Ammeter with Reading Hold Function, Better Than 1% Accuracy
 Multi-Range Ammeter with Low Range Resolution of 1 Ampere
 Typical Repeatability within 1 to 2 Counts of LSD **Even at Low End**!
 Typical Useful Low End Down to 10 Amps!
 Adjustable Operator Control Panel for Operator Convenience
 Master Power Switch Located on Operator Control Panel
 Ventilator & White Light Switch Located On Operator Control Panel
 Solid State Head / Coil Switching Between Vectors
 Solid State Demag Switching - No Reversing Contact
 All Sequencing Controlled by Single Electronic Logic Unit
 Pump Operated By Solid State Contactor
 Equipped With a Power Line Safety Contactor, Standard
 Heavy Duty 1/4" x 2" and 1/4" x 3" Copper Buswork Throughout
 Automag Sequencing Control with Guarded Foot Switch
 Heavy Duty Pneumatic Headstock with Guarded Foot Switch Control
 Ball Bearing Slide Headstock Support - No Weight on the Air Cylinder!
 Heavy Duty Crank Driven Tailstock
 Heavy-Duty 1" x 3" Solid Steel Bed Rails
 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 Lockout Valve Included
 Cabinet Finish Magwerks Tan Industrial Baked Powder Coating
 Easy Access Tank Drain Ball Valve
 1/2 HP, 1725 RPM Slow-Speed Pump Speed Extends the Useful Life of the Particles
 240VAC / 480VAC 60Hz 3-Phase Power Input Standard, Other Voltages Available
 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: 200, Fuse Type: 200 T/D
 Recommended Wire Size: 2/0 AWG For ≤100 Ft. of Run
 VAC: 480, 60Hz, Recommended Service Size: 100, Fuse Type: 100 T/D
 Recommended Wire Size: #4 AWG For ≤100 Ft. of Run
 VAC: 380, 50Hz, Recommended Service Size: 125, Fuse Type: 125A T/D Dual Element
 Recommended Wire Size: #2 AWG For ≤100 Ft. of Run

Ext. Description:

Option Group 1 Line Frequency Pump Group

50Hz 1-Phase, 1-Pump Group 50Hz 1-Phase, 1-Pump Group

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

Group:

Option Group Autobath Assemblies

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

10-90-09: Axially Mounted Autobath for Parts Up to 44" in Length

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 Modifications
10-90-00-02:	Single Stainless Steel Pump Upgrade
10-90-60-50:	External Stainless Steel Basket Strainer Assembly
50Hz 1-Phase, 1-Pump Group	50Hz 1-Phase, 1-Pump Group
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
10-90-60-30:	18" Extended Height Stainless Steel Front Splash Guard, 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
10-90-75-53:	Split Coil Channel for MV2 with 12" Coil & Carriage
10-90-75-54:	Split Coil Channel for MV2 with 16" Coil & Carriage
10-90-75-55:	Split Coil Channel for MV2 with 18" Coil & Carriage
10-90-75-56:	Split Coil Channel for MV2 with 20" Coil & Carriage
10-90-75-60:	Additional Non-Switched 6kA 12" Coil and Carriage Add On, Select Cables Separately
Option Group	Control Features MVS-2445
10-01-30-61:	6" Color MicroTouch Menu Option & RDC, NO Virtual Metering
10-01-30-63:	6" Color MicroTouch Menu Option with 4.5 Digit Current Control & RDC
10-01-30-69:	Reversing DC Demag Option
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 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 MVS-2445
10-01-30-85-35:	220/230v-50Hz Incoming Power for MVS-2445
10-01-30-85-36:	Optional 240/250v-50Hz Incoming Power Electrical Group, MVS-2445
10-01-30-85-37:	Optional 315v-50Hz Incoming Power Electrical Group, MVS-2445
10-01-30-85-38:	Optional 380v-50Hz Incoming Power Electrical Group, MVS-2445
10-01-30-85-39:	Optional 400v-50Hz Incoming Power Electrical Group, MVS-2445
10-01-30-85-40:	Optional 415v-50Hz Incoming Power Electrical Group, MVS-2445
10-01-30-85-41:	Optional 440/450v-50Hz Incoming Power Electrical Group, MVS-2445
10-01-30-85-45:	Optional 575v-60Hz Incoming Power Electrical Group, MVS-2445
Option Group	Poly Grate Upgrade
08-01:	54" UV-Stabilized Poly Grate Set Upgrade for Water and Oil Baths

Option Group

13-95-11:

Startup Materials and Accessory Packages

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

Image List:



Shown above with optional 18" Autobath and Conveyor Cutout