

MG12

CNC WIRE EDM

M800
CONTROL

EVOLUTION

Mitsubishi's Latest Flagship, the MG Series, focuses on **increased cutting speeds, reduced maintenance cycles, and lights out operation.**

ERGONOMIC DESIGN

- Easy-to-view screen (19-inch)
- Intuitive operations using touch-panel control
- User friendly keyboard and mouse

 **Maisart**
Mitsubishi
Artificial Intelligence
State-of-the-art



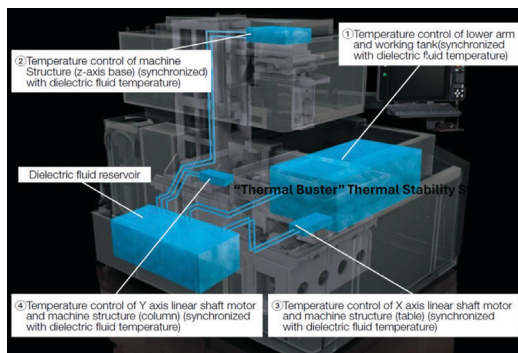
STANDARD FEATURES

- New Automatic Drop Door uses a vertically moving, space-saving design. The automatic up / down door is engaged by the simple push of a button or M-code for automation ready applications.
- New 4-Sided Four-Piece Hardened Worktable is a mid-hardness stainless steel design that resists scratching and daily wear. The 4-sided table provides maximum flexibility for ease of fixture and workpiece setup.
- New "Thermal Buster" Thermal Stability System circulates fluid through key areas of the machine structure while maintaining constant temperature.
- New Seal Plate cleaning system uses forced water to prevent sludge buildup away from the seal plate reducing maintenance.
- New Improved iAT Automatic Wire Threading uses a redesigned wire-feeding system and new annealing control to maintain stable threading performance while requiring fewer maintenance cycles.
- New Inverter controlled circulation and filter pumps reduce energy consumption up to 30% than the previous model.
- Linear Shaft Motor Drive with 10-Year positioning guarantee and glass scale feedback insure friction free, highly accurate column movement.

PERFORMANCE ABOVE EXPECTATIONS

 **MITSUBISHI EDM**

MG12 Series **STANDARD** Productivity Improvements



New "Thermal Buster" Thermal Stability System circulates fluid through key areas of the machine structure while maintaining constant temperature.



New Seal Plate Cleaning uses forced water to prevent sludge buildup away from the seal plate reducing maintenance.

New Automatic up / down door is engaged by the simple push of a button or M-code for automation ready applications.



New (optional) touch probe system allows for automatic part alignment and on machine part inspection

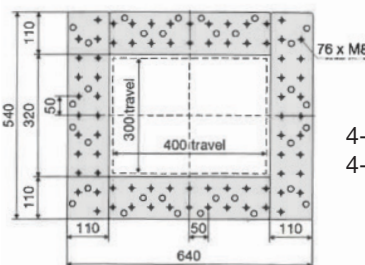
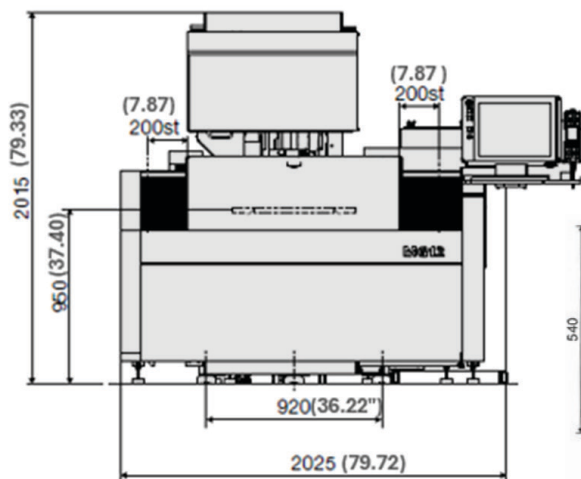
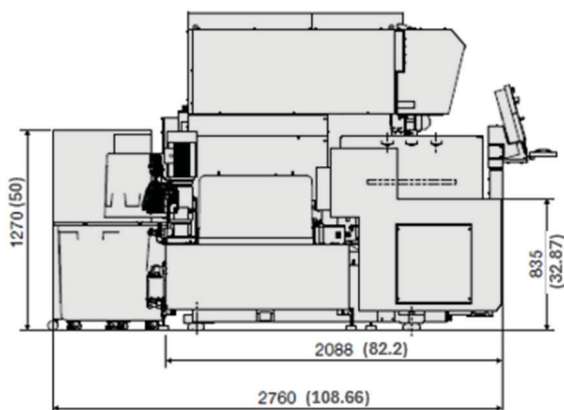
Renishaw Automatic Style



Detachable Manual Style



Machine Layout



4-sided
4-piece table

Machine Unit	Machine Specifications		Unit	MG12
	Max Workpiece Dimensions (WxDxH)		in	31.9 x 27.6 x 8.5
	Max Workpiece Weight		lbs	1,100
	Table Dimensions (3-sided)		in	25.2 x 21.3
	Machining Range (X x Y x Z)		in	15.7 x 11.8 x 8.7
	Wire Dia. by AT Device		in	.004 ~ .012
	Wire Tension		g	200 ~ 2,550
	Automatic Wire Threader			Standard
	Min. Start Hole Dia.		in	0.02
	Taper Machining Unit			Standard
	Taper Unit Travel (U x V)		in	±2.36 x ±2.36
	Max. Taper Angle		degree	15 deg @ 8" Thickness
Fluid System	Overall Machine Dimensions (W x D x H)		in	79.7 x 106.4 x 79.3
	Machine Weight		lb	5,940
	Tank Capacity		gal.	145
	Filtered Particle Size		microns	3
	Filter Elements		ea	4 / Paper
	Ion Exchange Resin		cu/ft	1.4
	Overall Dimensions		in	Included in machine weight
	Dry Weight		lbs	Included in machine weight

MC MACHINERY SYSTEMS, INC.

a subsidiary of Mitsubishi Corporation

MITSUBISHI EDM

MC Machinery Systems, Inc.
85 Northwest Point Blvd.
Elk Grove Village, IL 60007
Phone: (630) 616-5920
www.mcmachinery.com