

MG24R

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



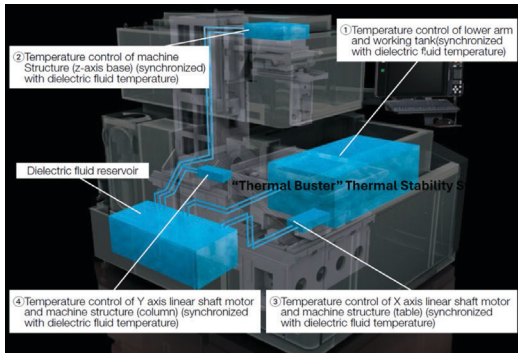
STANDARD FEATURES

- New "Thermal Buster" Thermal Stability System circulates fluid through key areas of the machine structure while maintaining constant temperature.
- New UFS circuit (Ultra Fine Surface) produces surface finishes down to a 4µin Ra
- New Pitch Adjustment function is designed to bridge the gap between factory calibration and real-world shop floor environment providing ultra-high pitch accuracy.
- 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**

MG24R Series **STANDARD** Productivity Improvements



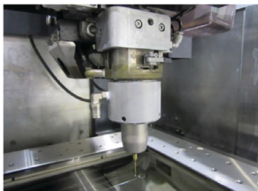
New "Thermal Buster" Thermal Stability System circulates fluid through key areas of the machine structure while maintaining constant temperature.

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

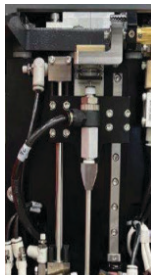
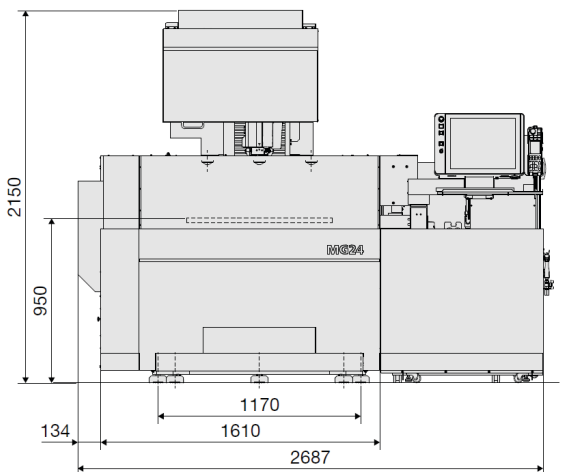
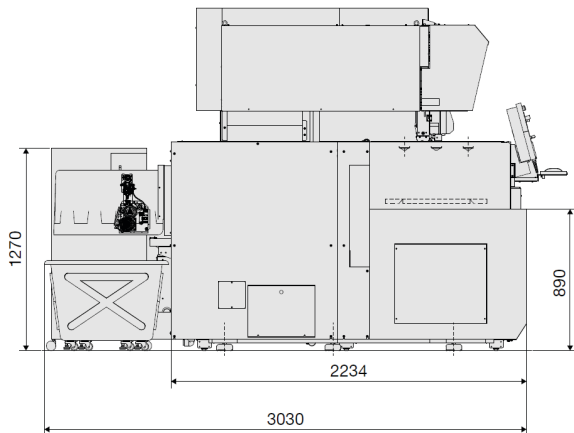
Renishaw Automatic Style



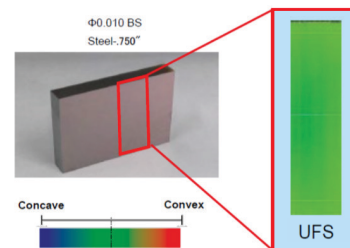
Detachable Manual Style



Machine Layout



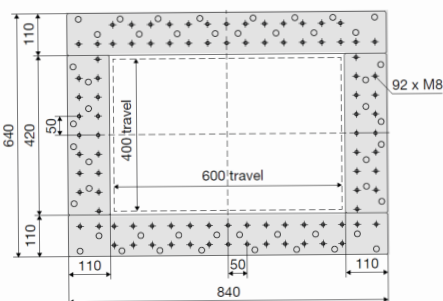
New Improved iAT Automatic Wire Threading uses a redesigned wire-feeding system and new annealing control to maintain stable threading performance while requiring fewer maintenance cycles.



New UFS circuit (Ultra Fine Surface) produces surface finishes down to a 4µm Ra.

	Machine Specifications	Unit	MG24R
Machine Unit	Max Workpiece Dimensions (WxDxH)	in	41.3 x 32.3 x 12
	Max Workpiece Weight	lbs	3,307
	Table Dimensions (3-sided)	in	33 x 25.2
	Machining Range (XxYxZ)	in	23.6 x 15.7 x 12.2
	Wire Dia. by AT Device	in	.004 ~ .012 (.002" optional)
	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	±3 x ±3
	Max. Taper Angle	degree	15 deg @ 10.25 " Thickness
	Overall Machine Dimensions (W x D x H)	in	105.8 x 119.3 x 84.6
Fluid System	Machine Weight	lb	7,700
	Tank Capacity	gal.	227
	Filtered Particle Size	microns	3
	Filter Elements	ea	4 / Paper
	Ion Exchange Resin	cu/ft	1.4
	Overall Dimensions	in	37.1 x 91.4 x 35
	Dry Weight	lbs	770

4-sided
4-piece table



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a subsidiary of  Mitsubishi Corporation

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