

MV4800-S

**New Revolutionary
MITSUBISHI M800
Series Control**

ADVANCE TYPE **M800**



Now Available: 32" Tall Workpiece Option

**Next Generation Control Functions
and Advanced Pendant Reduce
Setup Time and Improve Productivity**

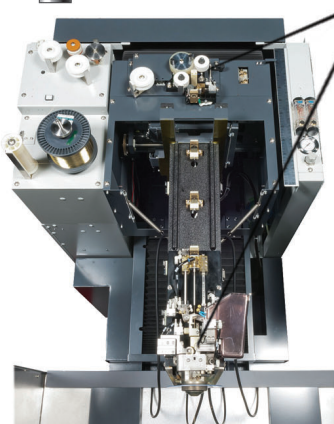
Features:

- **New M800 Series Control Enhances Operator Ergonomics** The M800 uses a new 19" cell phone like touch screen display with pinch, flick and tap operation. The all new mounting system provides the ability to tilt and swivel the unit to best suit the operator. The advance pendant with 3.5" touch screen along with new software features reduce setup time.
- **Powerful Support Functions Improve Productivity** The M800 Advance series control uses Windows 8 Embedded operating system with many levels of automated machine functions to allow even an inexperienced operator to cut parts with confidence.
- **Linear Shaft Motor Drive with 10-Year Positioning Guarantee** and Glass Scale Feedback ensure friction free, highly accurate machine movement throughout the entire X Y Axes machining range.
- **Highly Rigid Machine Structure** incorporates a fixed table meehanite base casting with the X, Y, Z axes traveling column mounted, a stainless steel work tank, seal plate and hardened stainless steel machine table to provide high accuracy machining.
- **V350-V Full Time AE II (Anti-Electrolysis) Power Supply** suppresses electrolytic corrosion to prevent surface oxidation, edge softening and cobalt depletion in carbide.
- **DMX-S (Digital Matrix Sensor)** combined with the V350-V generator specifically shapes the spark pulse to reduce electrode wear. This allows for a lower wire speed which reduces wire cost by as much as 60%.
- **New Intelligent Auto-Threading System** has been redesigned to anneal up to 27" of wire reducing the curl ratio to less than 10% improving tall part threading as well as submerged threading and re-threading through the gap after a wire break.

MV4800-S M800 **Standard** Productivity Improvements



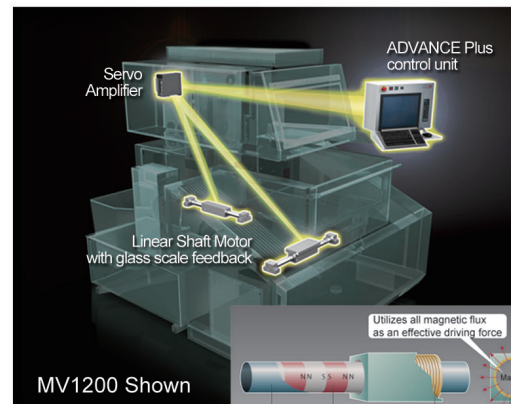
Advanced wire annealing at over 27" in length reduces wire curl to less than 10% improving tall part threading and reinsert through the gap while submerged.



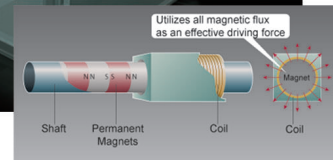
NEW: 32" Tall Workpiece Option uses a 12" removable insert.



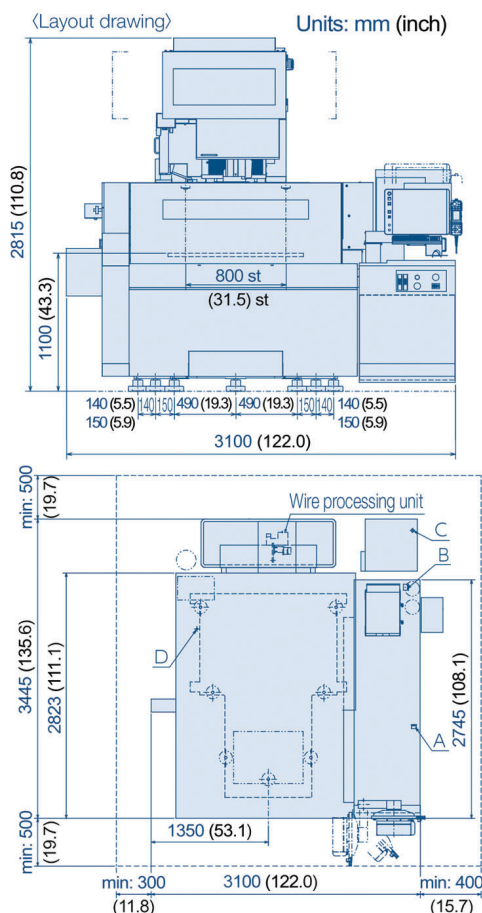
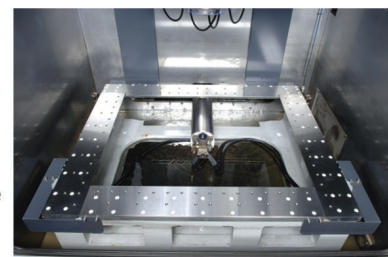
The V350-V power supply and DMX-S, Super Digital Control sensor, specifically shape each spark to improve surface finish, reduce vibration and minimize electrode wear. This reduction in wear allows up to a 60% reduction in wire consumption.



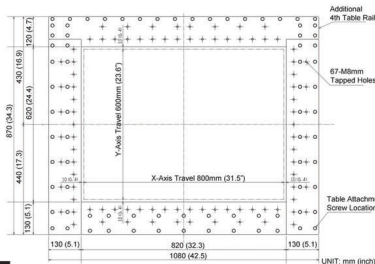
MV1200 Shown



The MV4800-S provides a large 3-sided hardened work table with an additional 4th-rail across the back for easier large workpiece mounting. This is a non-isolated table so the best FM Fine Finish is an 8 μ Ra.



Machine Specifications		MV4800-S M800
Machine Unit	Max Workpiece Dimensions (WxDxH)	in 49.2 x 40.2 x 20.0
	Max Workpiece Weight	lb. 6600
	Table Dimensions	in 42.5 x 30.7 (38.4 using back rail)
	Machining Range (XxYxZ)	in 31.5 x 23.6 x 20.1
	Wire Dia. by AT Device	in .006 ~ .012
	Wire Tension	g 200 ~ 2550
	Automatic Wire Threader	Standard
	Min. Start Hole Dia.	in 0.02
	Taper Machining Unit	Standard
	Taper Unit Travel (U x V)	in $\pm 4.0 \times \pm 4.0$
	Max. Taper Angle	deg 15 deg @ 14.0" Thickness
	Overall Machine Dimensions (WxDxH)	in 122.0 x 135.6 x 110.8
	Machine Weight	lb. 13,007
	Tank Capacity	gal. 391
Fluid System	Filtered Particle Size	μ m 3
	Filter Elements	4 / Paper
	Ion Exchange Resin	cu./ft. 1
	Overall Dimensions	in 30.7 x 108.1 x 67.0
Dry Weight		lb. 992



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