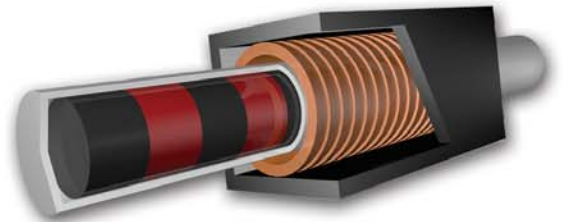


# MV4800



**New Larger Travels  
31.5 x 23.6 x 20.0**



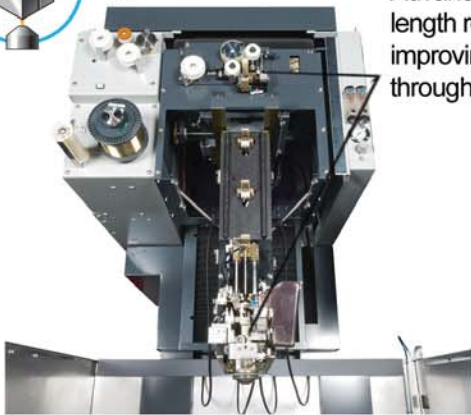
## All New Cylindrical Drive Technology

The MV Series utilizes a totally new non-contact, friction free, round linear shaft motor system to drive the X & Y machine axes through an all optical fiber servo system.

## Features:

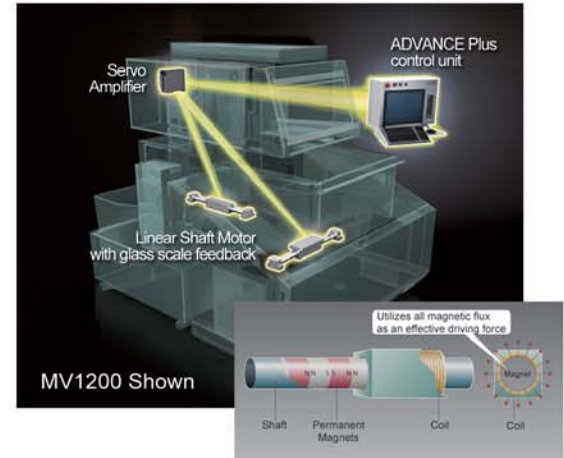
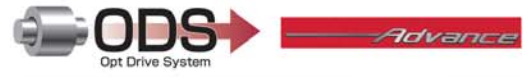
- **New Machine Size Is Specifically Designed For Larger Part Production** The MV-4800 provides a larger worktank, increased travels by 2 inches in X, 4 inches in Y over the FA30 size machine. This added size along with all the new cost saving designs, make this the best dollar/sq. ft. EDM investment on the market.
- **New Linear Shaft Motor Drive and Glass Scale Feedback** insure friction free, highly accurate column movement throughout the entire X, Y Axes machining range.
- **Highly Rigid Machine Structure** incorporates meanite base castings, a stainless steel work tank, seal plate and 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.
- **Powerful Support Functions Improve Productivity** The M700 Advance Series control uses Windows XP operating system with many levels of automated machine functions to allow even an inexperienced operator to cut parts with confidence.

# MV4800 Series **Standard** Productivity Improvements



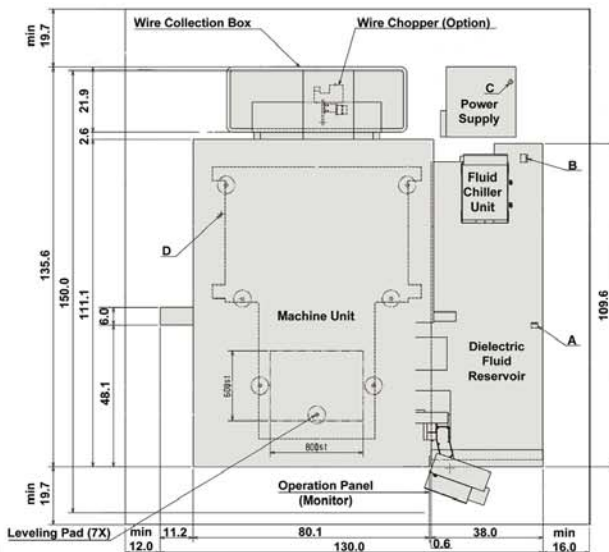
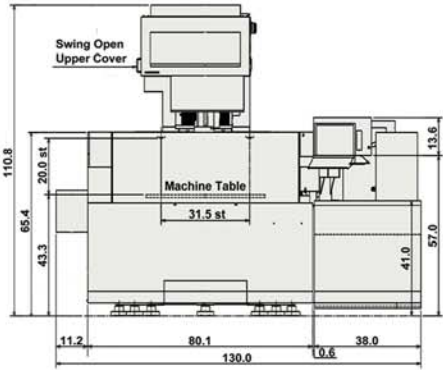
Advanced wire annealing at over 27" in length reduces wire curl to less than 10% improving tall part threading and reinsert through the gap while submerged.

The new Advance control combined with the Optical Drive System provides 4 times the communication speed between the servo system and the X,Y-axes Linear Shaft Motor drives.

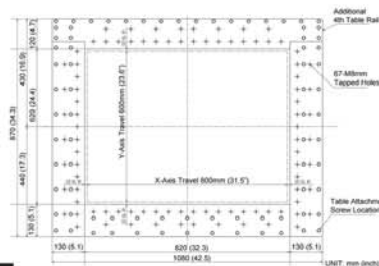


The V350-V power supply and DMX-S, Super Digital Control sensor, specifically shape each spark to improve surface finish, reduce vibration and minimize electrode wear. This reduction in wear allows up to a 60% reduction in wire consumption.

The MV4800 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 8µ" Ra.



	Machine Specifications	MV4800
Machine Unit	Max Workpiece Dimensions (WxDxH)	in 53.1 x 43.3 x 20.0
	Max Workpiece Weight	lb. 6600
	Table Dimensions	in 45.3 x 38.4
	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 ±4.0 x ±4.0
Fluid System	Max. Taper Angle	deg 15 deg @ 14.0" Thickness
	Overall Machine Dimensions (WxDxH)	in 130.0 x 148.6 x 110.8
	Machine Weight	lb. 12,100
	Tank Capacity	gal. 293
	Filtered Particle Size	µm 3
	Filter Elements	2 / Paper
	Ion Exchange Resin	cu/ft 1
	Overall Dimensions	in 38.0 x 109.6 x 67.0
	Dry Weight	lb. 990



**THE MITSUBISHI EXPERIENCE**

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