

MV2400-S

**New Revolutionary
MITSUBISHI M800
Series Control**

ADVANCE TYPE **M800**



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

Features:

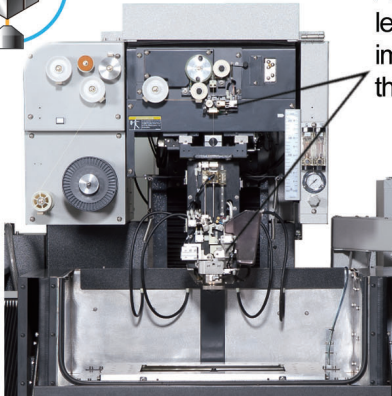
- **New M800 Series Control Enhances Operator Ergonomics** The M800 uses a new 19" cell phone like touch screen display with pinch, flick and tap operation. The all new mounting system provides the ability to tilt and swivel the unit to best suit the operator. The advance pendant with 3.5" touch screen 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 17" 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.



MV2400-S Series **Standard** Productivity Improvements



Intelligent AT

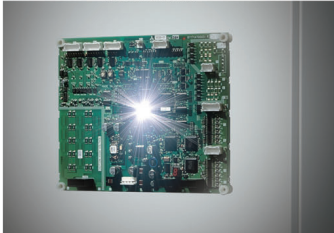
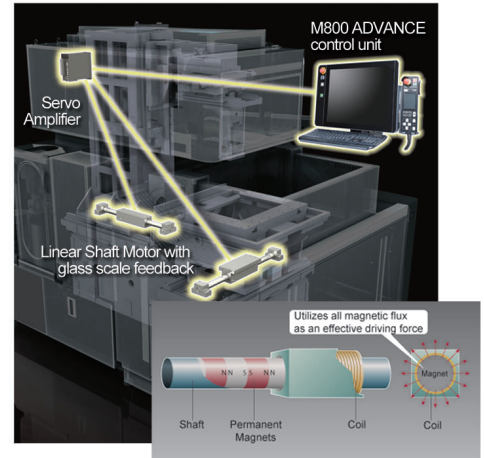


Advanced wire annealing at over 17" in length reduces wire curl to less than 10% improving tall part threading and reinsert through the gap while submerged.

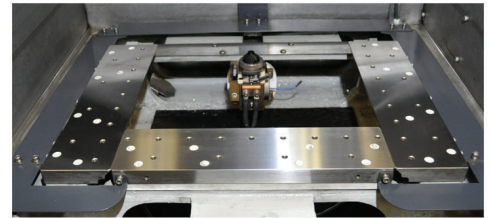
The new M800 Advance control combined with the Optical Drive System provides 4 times the communication speed between the servo system and the X, Y-axes Linear Shaft Motor drives.



ADVANCE TYPE **M800**

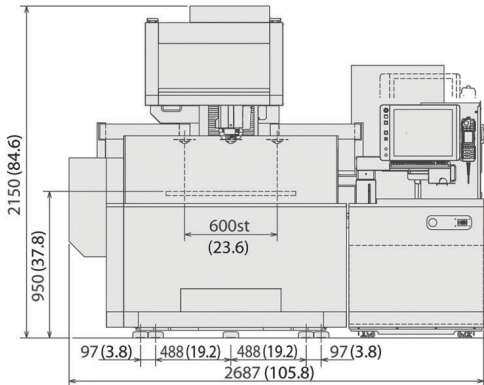


The V350-V power supply and DMX-S, Super Digital Control sensor, specifically shape each spark to improve surface finish, reduce vibration and minimize electrode wear. This reduction in wear allows up to a 60% reduction in wire consumption.

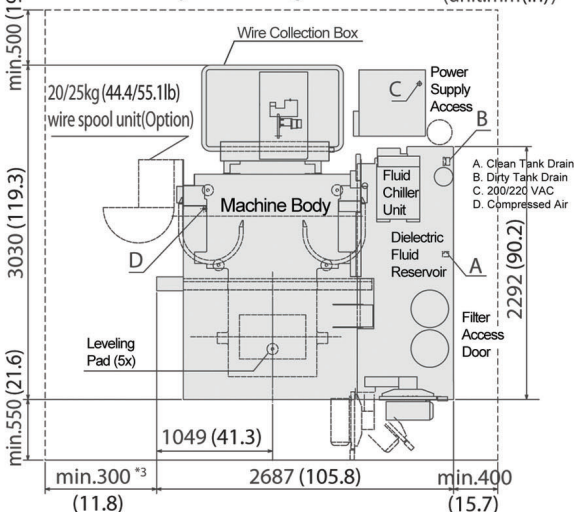


A newly configured grounding system improves current flow from the hardened 3-sided worktable to enhance roughing speed and improve standard skim cut finishes.

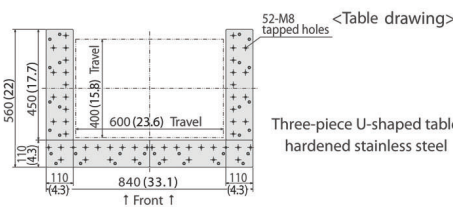
MV2400-S Front View



MV2400-S Layout Drawing (unit:mm(in))



| Machine Specifications | | MV2400-S |
|------------------------|------------------------------------|-------------------------------|
| Machine Unit | Max Workpiece Dimensions (WxDxH) | in 41.3 x 32.3 x 12.0 |
| | Max Workpiece Weight | lb. 3307 |
| | Table Dimensions | in 33.0 x 22.0 |
| | Machining Range (XxYxZ) | in 23.6 x 15.7 x 12.2 |
| | Wire Dia. by AT Device | in .004 ~ .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 ±3.0 x ±3.0 |
| Fluid System | Max. Taper Angle | deg 15 deg @ 10.25" Thickness |
| | Overall Machine Dimensions (WxDxH) | in 105.8 x 119.3 x 84.6 |
| | Machine Weight | lb. 7716 |
| | Tank Capacity | gal. 227 |
| | Filtered Particle Size | µm 3 |
| | Filter Elements | 2 / Paper |
| | Ion Exchange Resin | cu/ft 1 |
| | Overall Dimensions | in 34.6 x 82.1 x 52.6 |
| | Dry Weight | lb. 880 |



Three-piece U-shaped table hardened stainless steel



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THE MITSUBISHI EXPERIENCE