

A1
Intelligent
Automatic
Thread

Ultra-high accuracy is achieved
in a precision parts machining
of electronic parts



Oil wire-cut EDM with small footprint and
small capacity reservoir

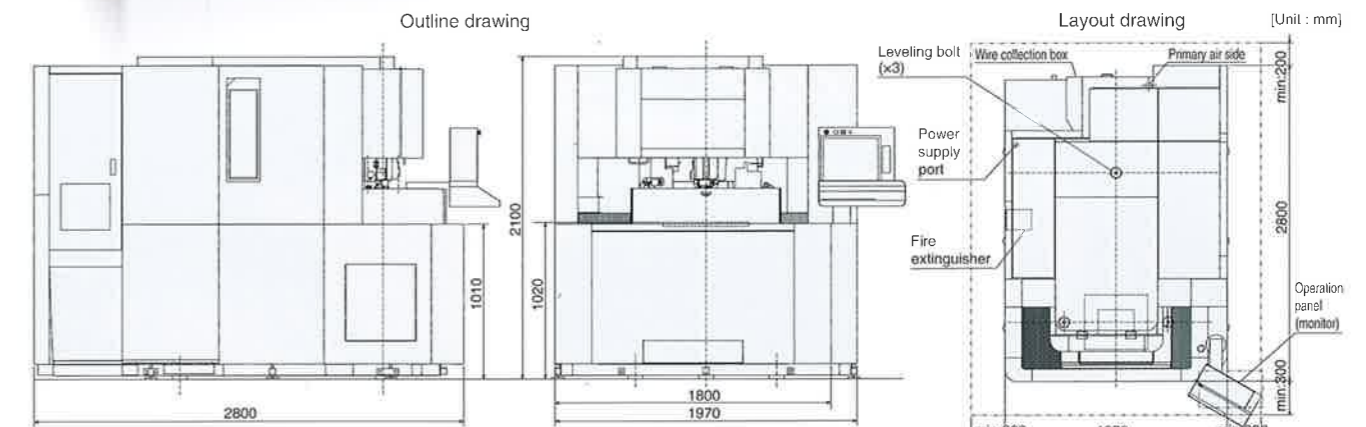
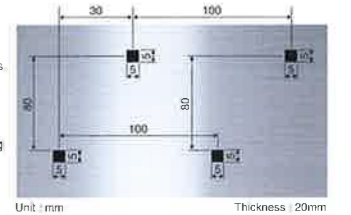
MX600

**Machining accuracy
±2μm achieved (note 1)**

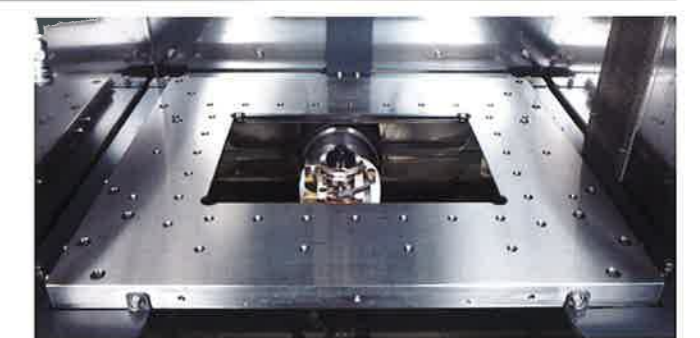
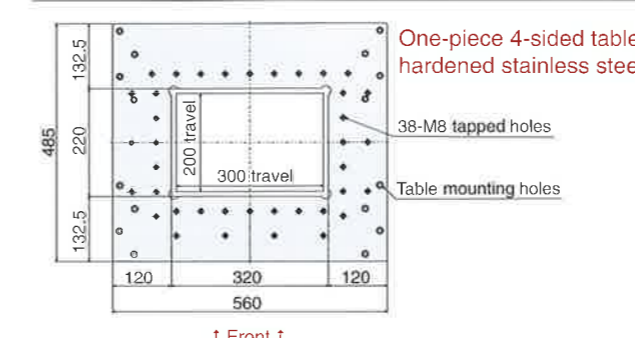
(Note 1) The machining accuracy follows the
Mitsubishi Electric machining conditions.

ADVANCE PLUS
4-axis LSM
(XYUV linear shaft motor)
Automatic vertical front door
(with automatic lock)

- Workpiece : Steel (PD613 120mm (SKD11 equivalent)) HRC56-58 after quenching the workpiece, sub-zero treatment high thermal tempering and demagnetization are conducted.
- Wire electrode
- Room temperature during machining : 20°C±1°C



Machine unit dimensions Width : 1970mm, Height : 2100mm



Standard machine specifications	
Model	MX600
Max. workpiece dimensions [mm]	620×610×100
Max. workpiece weight [kg]	300
Table dimensions [mm]	560×485 (4-sided)
Machine travels (XxYxZ) [mm]	300×200×180 XY axis OPT-drive specifications
Machine travels (UxV) [mm]	±35×±35 UV axis OPT-drive specifications
Max. taper angle [°]	15 (max. 100mm)
Wire diameter [mm]	0.05-0.2
Weight [kg]	3400
Tank capacity [ℓ]	300 (oil)
Filtration method	Paper filter (2)
Dielectric fluid chiller unit	Unit cooler
Internal dimensions [mm]	662×688.5
Fluid level adjustment range (from top of table) [mm]	50-170

General input	[kVA]	13.5
Required air rate	Air pressure [Mpa]	0.5-0.7
	Air rate [ℓ/min]	75 or more
Standard functions		
• Advanced manual control box	• DNC	
• Oil specialized power supply (nPV power supply)	• File server connection (FTP)	
• Super finish circuit (nFS circuit)	• Angle Master (S/W)	
• LAN/W	• Anti-virus protection	
	• Sleep mode	
Options		
• Infrared flame detector	• Run timer	
• External signal output	• Option box	
• Angle Master ADVANCE (S/W)	• LED light	
• 3-color warning light	• High-accuracy wire-alignment device	

Product Line-up
Functions and Features
Machining Samples
Productivity
Accuracy
Stability
Intelligent AT
Usability
Options
Preparation for Machine Installation and Cautions
FA-related Products