



# MITSUBISHI ELECTRIC MP Range SPECIFICATION SHEET

MACHINE	MP1200	MP2400
Travel (X/Y/Z) in mm	400 / 300 / 220	600 / 400 / 310
Travel (U/V) in mm	120/120 (+/- 60)	150/150 (+/- 75)
Taper angle (workpiece height) in °/mm	15 / 200 30 / 87	15 / 260 30 / 110
Max. workpiece dimensions (W x D x H) in mm	810 x 700 x 215	1050 x 820 x 305
Max. workpiece weight in kg	500	1500
Table dimensions (W x D) in mm	640 x 540	840 x 640
Table layout	Hardened 4-side table	
Possible wire diameters in mm	0.05 – 0.30	
Wire spool capacity in kg	10	
Automatic wire threader/wire chopper	Yes/Yes	
Overall dimensions (W x D x H) in mm	2025x2760x2015	2684x3030x2150
Machine weight in kg	2700	3800
Mains voltage	3-phase 400 V/AC ± 10%, 50/60 Hz, 20 kVA	

FILTER SYSTEM	MP1200	MP2400
Tank capacity in l	550	860
Filter particle size in µm / filter elements	3/2	
Temperature control	Dielectric cooling unit	
Weight (dry) in kg	Included in machine weight	350

GENERATOR	MP1200	MP2400
Power supply unit	Regenerative transistor pulse type	
Cooling method	Fully sealed / indirect air cooling	
Max. output current in A	50	
Dimensions (WxDxH) in mm	600 x 650 x 1765	
Weight in kg	240	

CONTROL	MP Series
Input method	Keyboard, USB flash drive, Ethernet, 19" touchscreen
Control system	CNC, closed circuit
Min. command step (X/Y/Z/U/V) in $\mu\text{m}$	0.1
Min. axis resolution in $\mu\text{m}$	0.05

EQUIPMENT	MP Series
Tubular Shaft Drives with linear scales (X/Y/U/V)	Yes
Control M800 with 19" full-touch monitor	Yes
Hand pilot with configurable LCD monitor	Yes
Digital AE II generator	Yes
Fine finishing generator H-FS	Yes
Digital fine finishing generator SD-FS	Yes
Hardened 4-side table	Yes
Digital electricity meter / filter pressure sensor	Yes
Ethernet/DNC/FTP	Yes
Preparation for automation	Yes
McAfee AntiVirus embedded	Yes
Operating data output	Yes
3D CamMagic on-board	Yes
Corehold technology	Yes
Job scheduler / Job scheduler+	Yes
mcAnywhere Contact+ light	Yes
Sleep mode	Yes
Three-side lifting tank	Yes
mcAnywhere Service	Yes
Angle Master Advance II – basic kit incl. aligning device	Yes
EKO Ioniser (Image below)	Included as Standard



OPTIONAL HARDWARE	MP Series
Wire station for 16 / 20 / 25 kg wire spools	Optional
Wire station for 50 kg wire spools	Optional
Angle Master Advance II – Wire guide kit	Optional
Automatic Renishaw probe	Optional
ERGO LUX LED floodlight	Included as Standard
Additional tricolour signal lamp	Optional
Automatic dielectric water refilling	Optional
Connection to external cooling system	Optional
External signal output with relay board	Optional
Filter switching system	Optional
External signal output with relay circuit board	Optional
Filter Switching System	Optional

OPTIONAL TOOLS	MP Series
mcAnywhere Control / mcAnywhere Control light	Optional
mcAnywhere Contact+	Optional
Automation solutions	Optional



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