



MITSUBISHI ELECTRIC MV-S Range SPECIFICATION SHEET

MACHINE	MV1200S	MV2400S	MV2400S Z+	MV4800S
Travel (U/V) in mm	400 / 300 / 220	600 / 400 / 310	600 / 400 / 425	800 / 600 / 510
Taper angle	120 / 120 (+/- 60)	150 / 150 (+/-75)	150 / 150 (+/-75)	200 / 200 (+/-100)
(workpiece height) in °/mm	15 / 200 30 / 87	15 / 260 30 / 110	15 / 260 30 / 110	15 / 355 30 / 155
Max. workpiece dimensions (WxDxH) in mm	810 x 700 x 215	1050 x 820 x 305	1050 x 820 x 420	1250 x 1020 x 505
Max. workpiece weight in kg	500	1500	1500	3000
Table dimensions (WxD) in mm	640 x 540	840 x 560	840 x 640	1080 x780
Table layout	Hardened 3-sided table		Hardened 4-sided table	
Possible wire diameters in mm	0.1 – 0.3	0.1 – 0.3	0.1 – 0.3	0.15–0.3
Wire spool capacity in kg	10	10	10	10 / 16 / 20 / 25
Automatic wire threader / wire chopper	Yes/Yes			
Overall dimensions (WxDxH) in mm	2025 x 2760 x 2015	2687 x 3030 x 2150	2837 x 3452 x 2380	3130 x 3475 x 2815
Machine weight in kg	2700	3500	3650	5700
Mains voltage	3-phase 400 V/AC ± 10%, 50/60Hz, 13kVA			

FILTER SYSTEM	MV1200S	MV2400S	MV2400S Z+	MV4800S
Tank capacity in l	550	860	980	1480
Filter particle size in µm / filter elements	3/2			3/4
Temperature control	Dielectric cooling unit			
Weight (dry) in kg	Included in machine weight	350	390	450

GENERATOR	MV1200S	MV2400S	MV2400S Z+	MV4800S
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	MV1200S	MV2400S	MV2400S Z+	MV4800S
Input method	Keyboard, USB flash drive, Ethernet, 19" touchscreen			
Control system	CNC, closed circuit			
Min. command step (X/Y/Z/U/V) in μm	0.1			
Min. axis resolution in μm	0.05			

EQUIPMENT	MV-S Series
Tubular Shaft Drives with linear scales (X/Y)	Yes
Control M800 with 19" full-touch monitor	Yes
Hand pilot with configurable LCD monitor	Yes
Vertical front door	MV1200S manual MV2400S / MV4800S automatic
Digital AE II generator	Yes
Ethernet/DNC/FTP	Yes
Preparation for automation	Optional
McAfee AntiVirus embedded	Optional
Production data output	Optional
2D CamMagic on-board	Yes
Corehold technology	Optional
Job scheduler	Optional
Sleep mode	Yes
EKO Ioniser (Image below)	Included as Standard



OPTIONAL HARDWARE	MV-S Series
High-Spec package	Optional (not retrofittable)
Wire station for 16/20/25 kg spools	Optional / Standard for MV4800S
Wire station for 50 kg spools	Optional
Angle Master Advance II – basic kit including aligning device	Optional
Angle Master Advance II – wire threading set	Optional
Automatic Renishaw probe on sleeve	Optional
ERGO-LUX LED floodlights	Included as Standard
Tricolour status lamp	Optional
Automatic dielectric water refilling	Optional
Connection to external cooling system	Optional
External signal output with relay circuit board	Optional
Filter Switching System	MV2400S / MV4800S only

OPTIONAL TOOLS	MV-S Series
Connect-Kit	Optional
3D CamMagic on Board	Optional
mcAnywhere Service	Optional
mcAnywhere Control / mcAnywhere Control light	Optional
mcAnywhere Contact / mcAnywhere Contact light	Optional
Tool package / Automationslösungen	Optional



Making Engineers Champions...

+44 (0)1926 818 418



engtechgroup.com



sales@engtechgroup.com



THE ENGINEERING TECHNOLOGY GROUP

Wellesbourne Distribution Park, Unit 16
Loxley Road, Wellesbourne, Warwickshire, CV35 9JY

+353 (0)45 435457



etgireland.ie



salesireland@engtechgroup.com



THE ENGINEERING TECHNOLOGY GROUP - IRELAND

Unit 17, Newbridge Industrial Estate
Athgarvan Rd, Newbridge, Co. Kildare, Ireland

+44 (0)24 7699 3153



hyfore.com



sales@hyfore.com



HYFORE WORKHOLDING

Unit 3, 67 Blackhorse Road,
Longford, Coventry, CV6 6DP