TECHNICAL SPECIFICATION
MW-Series! machine

MODELS & WORKING AREAS

Machine height (Y axis)	122 cm (48 in)	
Working width = cutting wire length (Z axis)	130 cm (51,2 in) **MW 1300**	150 cm (59 in) **MW1500**
	250 cm (98,4 in) **MW2500**	300 cm (118,11 in) **MW3000**
Machine working length (X axis)	130 cm (51,2 in) **SMALL** 240 cm (94,5 in) **MEDIUM** 305 cm (120 in) **LARGE**	

CUTTING WIRE

Wire type	TitaniumAlloy wire
Number of wires	Standard 1 — 10 wires (up to 20 wire in custom HD variants)
Wire Thickness	0,25 — 0,60 mm (depending on machine width)
Wire Tensioning Type	Individual spring tensioners / Threaded rod / Pneumatic tensioners *
Wire heating	Heating instant control with Remote control or software

GENERAL INFORMATION

Machine construction	Custom-made anodized aluminum extrusion profiles
Power requirements	220-230 volt/50 Hz (110 volt/50-60 Hz) from 1kW to 4kW
Operating environment	Temperature: 5 — 40°C or 32°F — 104°F / Humidity: 95%
X &Y Drives	Stepper motors, 25AT5 & 10T5 cog belts driven on ball bearing transport wheels
Trolley movement speed	0 to 2000 mm/min (Operating through the Remote controller or software)
Foam cutting speed	Depends on the foam type, density and complexity of cutting shape Recommended cutting speed is 230 to 800mm/min
Cutting accuracy	0,7 — 1,2 mm (0,028 — 0,048 in)
Software resolution	0,001 mm
PC requirements	Windows XP, Vista, 7, 8 or 10 (USB connection)
Software	Control software included. Support for: plt, dxf, EPS/AI, RAW 3D
Warranty	Complete 5-year warranty on EXW (ex-works) basis

* OPTIONAL ACCESSORIES

Available accessories for MW-Series!	TurnTable unit	Lathe unit	ShapeWire Bar
	Pneumatic Wire Tensioning		TitaniumAlloy Wire (incl. in basic kit)

MACHINES KIT INCLUDE

Basic package includes	Hot wire cutting machine		ARM-based electronic controller
	Assembly and operational manuals		A 100-gram spool of Titanium wire
	Control software	Remote controller	Year-round tech support
Basic package excludes	Windows PC necessary to control the machine		
	Graphics software		Installation & training on site (if required)

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