VWL 710 / VWL 1200 / VWL 2000

Patented Wire Laying for Electrofusion Fittings

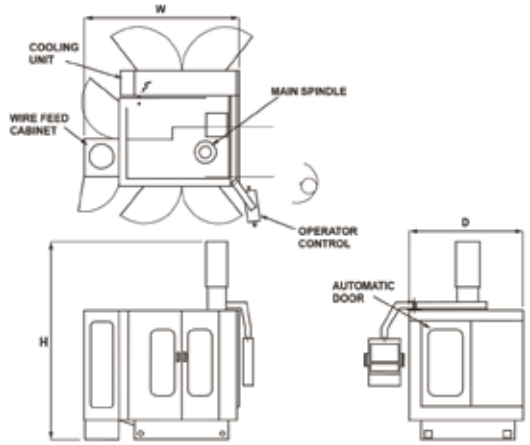
MSA
ENGINEERING SYSTEMS

The VWL 710, VWL 1200 and VWL 2000 are vertical format, 3-axis, CNC controlled electrofusion wire laying machines, designed for the wire laying of medium to large fittings or pipe sections.

The machines are equipped with software dedicated to producing fittings in the range 125 to 900mm internal diameter (VWL 710) and 250 to 1400mm internal diameter (VWL 120), and 250 to 2000mm internal diameter (VWL 2000).

Lift assist equipment is available for the handling of heavy components. External profiling equipment is available for machining the outside diameters of specially extruded billets, as a separate operation prior to wire laying.

A 2-axis CNC Drilling Unit is available which can be used for drilling fusion indicators during the wire laying cycle, or for drilling terminal holes during the external profiling cycle.



TYPICAL FITTING CAPACITY:	VWL 710	VWL 1200	VWL 2000
Couplers	180 to 900mm	400 to 1400mm (1400mm SDR17)	400 to 2000mm (2000mm SDR26)
Elbows	125 to **mm	250 to **mm	250 to **mm
Tees (Equal)	125 to **mm	250 to **mm	250 to **mm
Reducers	180 to **mm	400 to **mm	400 to **mm

* Capacities given are internal diameters and based on SDR11 unless stated otherwise. Other sizes can be made for special requirements - discuss with MSA.

** Depends on method of 'blank' fitting production. Larger elbows, tees, reducers (and special fittings) can be made by producing special bifilar couplers and fabricating on to spigot.

TECHNICAL DATA:	VWL 710	VWL 1200	VWL 2000
Spindle Speed	0 to 700 rpm	0 to 500 rpm	0 to 290 rpm
Cross Slide Travel (X-axis)	1000mm	1300mm	2000mm
Vertical Slide Travel (Z-axis)	1000mm	1000mm	1000mm
Maximum Fixture Swing	1250mm	1700mm	2270mm
Maximum Power Consumption	60kW	70kW	70kW
Continuous Spindle Motor Power	30kW	37kW	37kW
Width (W)	3310mm	3800mm	4300mm
Height (H)	4300mm	4400mm	4433mm
Depth (D)	2710mm	3390mm	3590mm
Weight	7,500Kg	12,000Kg	15,000Kg

N.B. All specifications are an indication and may be subject to change - refer to detailed floor plans.

Process & Equipment protected by patents:
EP2177096B1, 57411, 202927 B, RU 2476753 B, 2632, TR200402320B, US 9,314,965 B2

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