

vertical wire laying



manufacturing systems for the production of electrofusion pipe fittings
using the MSA patented wire laying technology and processes

The **VWL 400** and **VWL 710** are vertical format, 3-axis, SIEMENS CNC controlled electrofusion wire laying machines, designed for the wire laying of **medium to large** fittings or pipe sections.



Lift assist equipment for the handling of heavy components

The **VWL 400** is equipped with software dedicated to producing fittings in the range 125 to 400mm internal diameter. Smaller fittings (*minimum diameter 63mm*) can be produced as a special requirement.

The **VWL 710** is equipped with software dedicated to producing fittings in the range 125 to 710mm internal diameter. Lift assist equipment is available for the handling of heavy components.

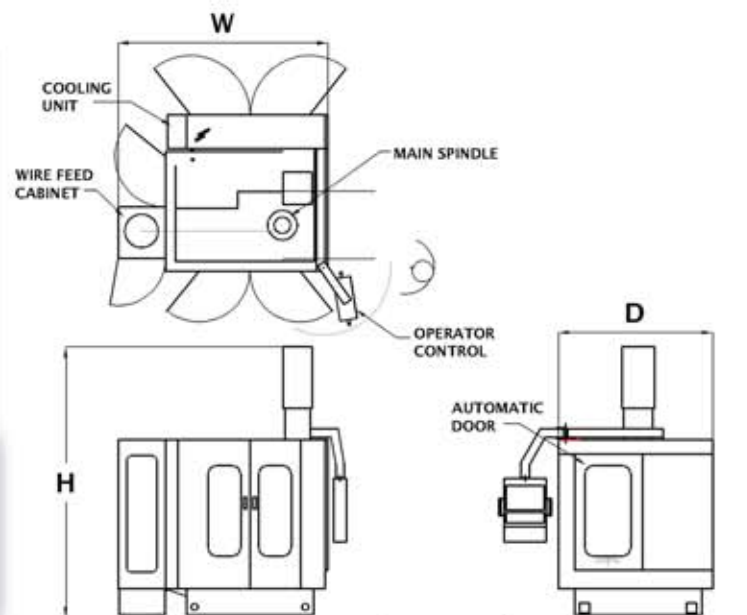
Option available of 2-axis CNC Drilling Unit (*to give 5-axes total*). Unit can be used for drilling fusion indicators during wire laying cycle, or for drilling terminal holes during the external profiling cycle.



PROCESS & EQUIPMENT PROTECTED BY PATENTS: EP1042108 | E215874 | P19813732-8 | 2,312,374 | ZL98812630.3 | 215588 | 136,935 | 2000-526336 | 10-0616469 | 220759 | P341526 | E521736573 | 04/2320 | US 6,530,139 B1 | US 6,751,840 B2 | US 7,069,637 B2 | PCT/GB2008/050487 | 08290385 | 17411

SPECIFICATIONS

typical fitting capacity	VWL 400	VWL 710
sockets/couplers	180 to 400mm I/D	180 to 710mm I/D
elbows	125 to 200mm I/D	125 to 400mm I/D
tees (equal)	125 to 200mm I/D	125 to 400mm I/D
reducers	180 to 400mm I/D	180 to 710mm I/D
technical data	VWL 400	VWL 710
spindle speed	0 to 1100rpm	0 to 700rpm
cross slide travel (X-axis)	430mm	1000mm
vertical slide travel (Z-axis)	620mm	1000mm
maximum fixture swing	750mm	1200mm
max. power consumption	50kW	60kW
continuous spindle motor power	30kW	30kW
width (W) height (H)	2475mm 3200mm	2960mm 4360mm
depth (D) weight	2000mm 4500Kg	2600mm 7500Kg



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