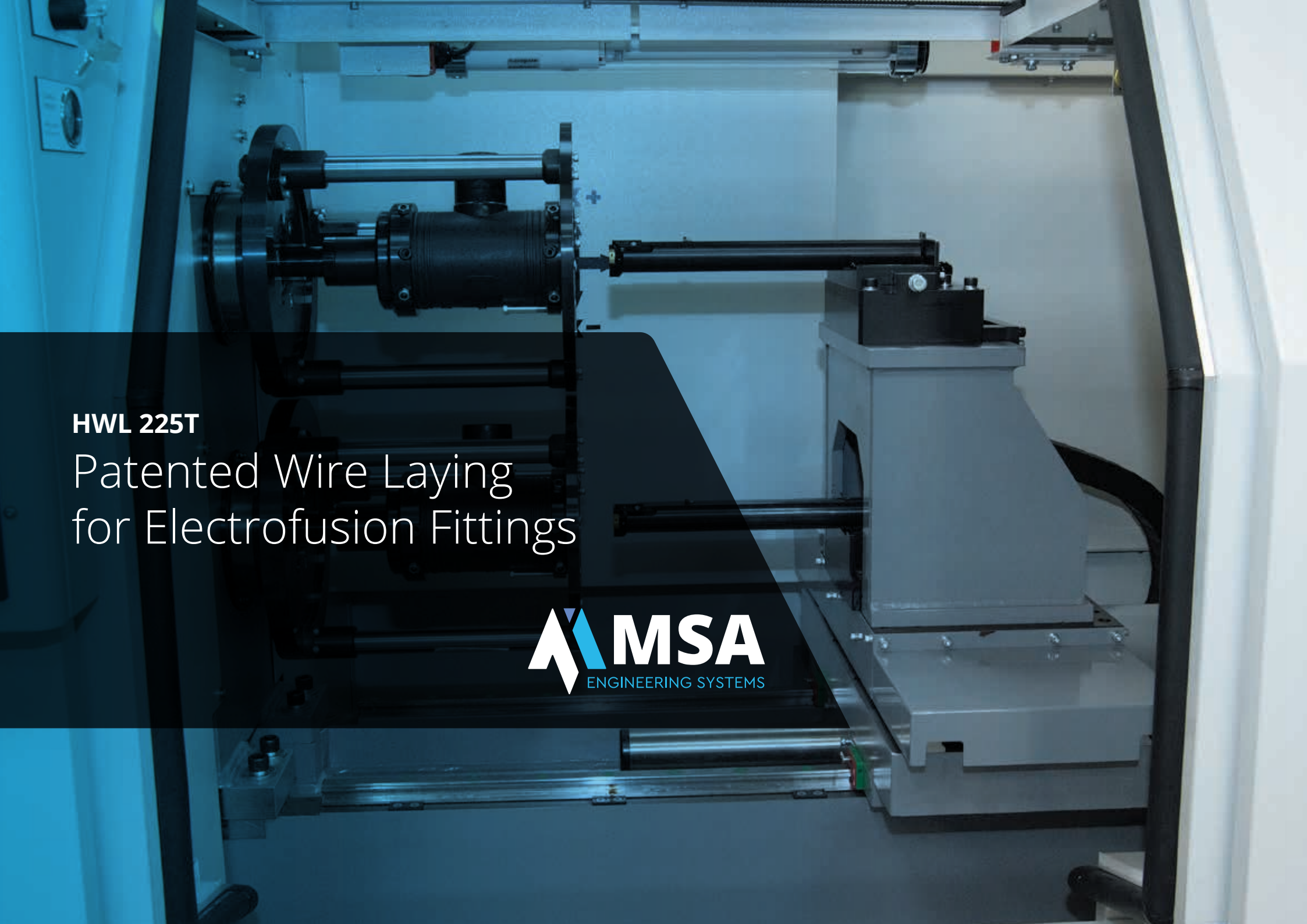
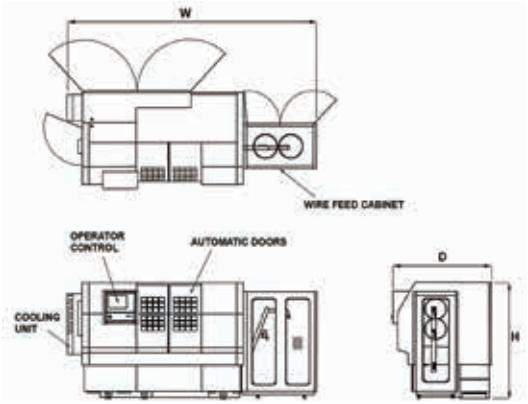


HWL 225T

Patented Wire Laying for Electrofusion Fittings

MSA
ENGINEERING SYSTEMS

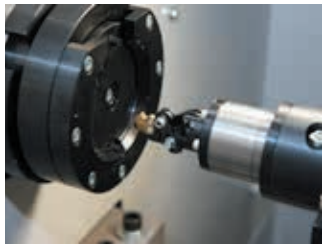


The HWL 225T is an horizontal format, 3-axis, twin spindle, SIEMENS CNC controlled electrofusion wire laying machine, designed for the wire laying of small to medium fittings or pipe sections.

The machine is equipped with software dedicated to producing fittings in the typical range of 20 to 225mm internal diameter, and features two vertically mounted spindles. It can be operated with just one spindle (bottom only), or with two spindles producing the same component.

In addition, with specialist tooling, the machine can wire lay pads for overmoulding into saddle bodies (e.g. Tapping Tees and Branch Saddles), and special bifilar fittings (e.g. Monolithic End Caps and Stub Flanges).

For optimum use and maximum efficiency of the HWL 225T twin spindle, two sets of fixtures, clamps and tooling are required for the relevant parts.



TYPICAL FITTING CAPACITY:	BOTTOM SPINDLE ONLY	BOTH SPINDLES
Couplers (250mm with special fixture)	20 to 225mm ID	20 to 160mm ID
Elbows (125 to 160mm* with special fixture)	20 to 110mm ID	20 to 110mm ID
Tees (Equal) (125 to 160mm* with special fixture)	20 to 110mm ID	20 to 110mm ID
Reducers	20 to 225mm ID	20 to 160mm ID
Special Bifilar Fittings (e.g. Monolithic End Caps, Stub Flanges)	32 to 225mm*	32 to 160mm*
Electrofusion Pads (for overmoulding into Saddle Bodies)	50 x 50mm to 300 x 300mm (MAX)* to suit outlet sizes 25mm to 180mm	50 x 50mm to 210 x 210mm (MAX)* to suit outlet sizes 25mm to 125mm

* All capacities are dependent on fitting design. 160mm Elbows/Tees subject to part design. Smaller capacity for Stub Flanges.

TECHNICAL DATA:	BOTH SPINDLES
Spindle Speed	0 to 2000 rpm
Cross Slide Travel (X-axis)	240mm
Horizontal Slide Travel (Z-axis)	650mm
Maximum Fixture Swing (bottom spindle only)	Dia. 475mm
Maximum Fixture Swing (both spindles)	Dia. 326mm
Maximum Power Consumption	35kW
Continuous Spindle Motor Power	18kW
Width (W)	4021mm
Height (H)	1796mm
Depth (D)	1620mm
Weight	3000Kg

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

MSA ENGINEERING SYSTEMS
3 Assured Drive, Thurmaston, Leicester, LE4 8BB, United Kingdom +44 (0)116 2608866 sales@msa-engineering.co.uk
Registered Office: Wainstalls Mill, Wainstalls, Halifax, HX2 7TJ, United Kingdom - (Registered No. 2636196 England)
www.msa-engineering.co.uk