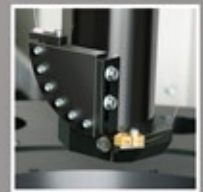
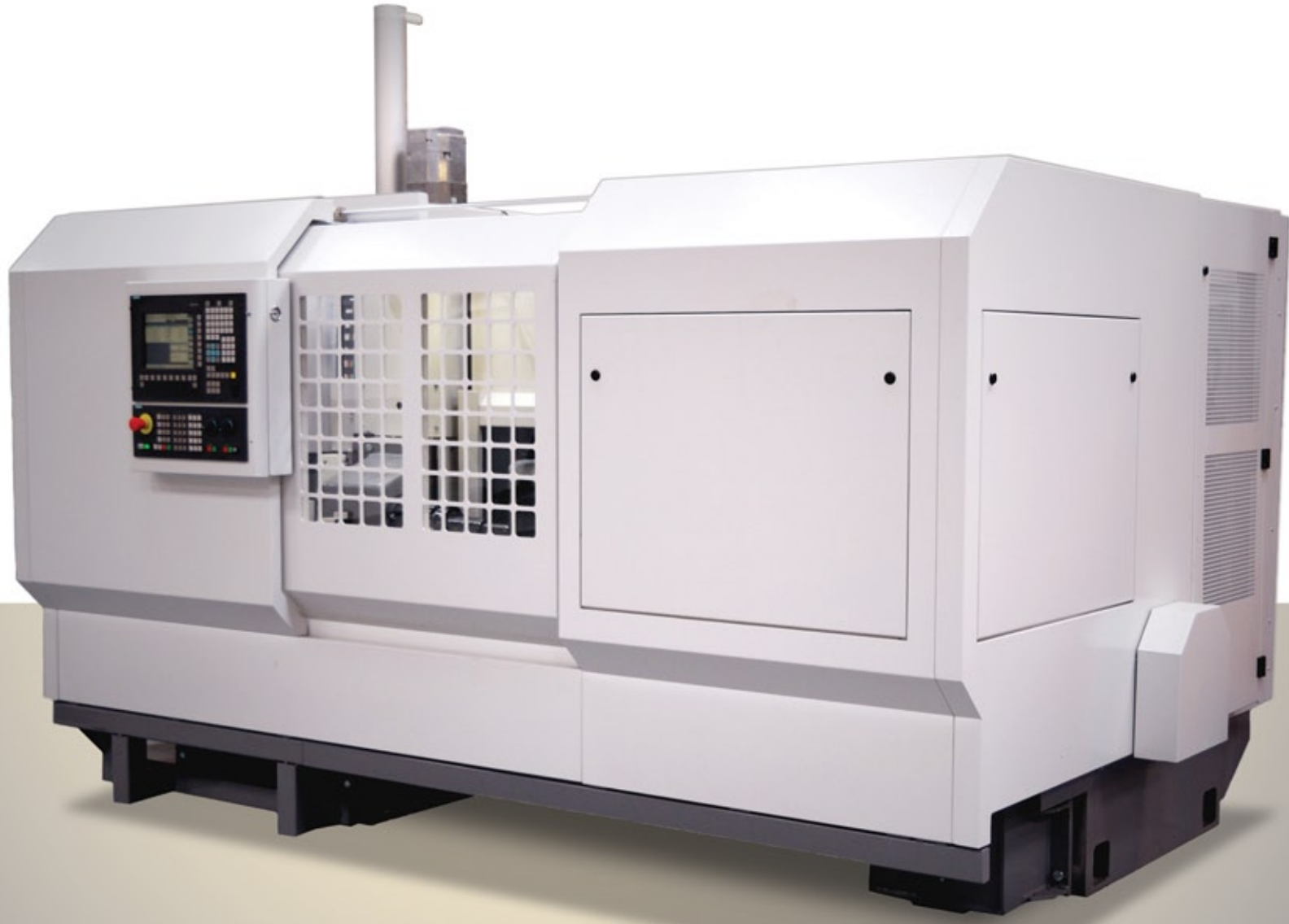
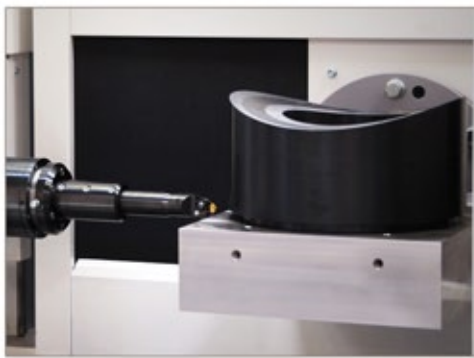


PATENTED WIRE LAYING FOR ELECTROFUSION FITTINGS

SWL





SPECIFICATIONS

TYPICAL FITTING CAPACITY

<i>AUTOMATIC CLAMPING*</i>	<i>MANUAL CLAMPING*</i>
Branch Saddles Stackloading D90x32 to D/infinity x63	Branch Saddles Stackloading ---
Branch Saddles Underpart D90x32 to D/infinity x280	Branch Saddles Underpart ---
Tapping Tee D90x32 to D/infinity x63	Tapping Tee ---
Special/Prototype ---	Special/Prototype D90x32 to D/infinity x280

** Exact clamping range dependant on detail design of the fitting.*

TECHNICAL DATA

Milling Spindle
0 to 600rpm, 76mm cutting diameter, 5.5kW

A-axis linear
360 deg @ 9000 deg/min

B-axis linear
360 deg @ 14400 deg/min

X-axis linear
500mm stroke @ 40 m/min

Y-axis linear
500mm stroke @ 40 m/min

Z-axis linear
1030mm stroke @ 40 m/min

Maximum Power Consumption
25kW (provisional)

Width (W) 3900mm

Height (H) 2600mm

Depth (D) 2600mm

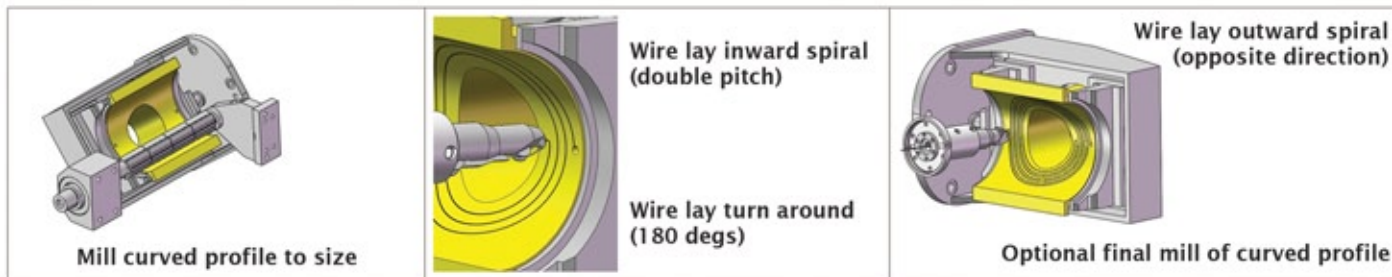
Weight 5500Kg

The SWL (saddle wire laying) is an horizontal format, 5-axis CNC controlled electrofusion wire laying machine. Designed for machining and wire laying the curved profile of saddle fittings.

The machine is a high performance CNC unit with rigid construction and precision heavy duty slideways and ballscrews. Interchangeable fixtures and tooling with precision locations allow a full range of parts to be produced. Fittings are loaded vertically via the automatic loading door, clamping is pneumatic. Swarf management is achieved with overhung tooling and optional full width conveyor. The machine cycle is automatic with options for wire pulling and first and second pass milling.

Machine capacity is suitable for producing fittings 500mm x 500mm maximum, with a branch size of up to 315mm and saddle diameter from 90mm to infinity (standard and special types).

TYPICAL PROCESS



PROCESS & EQUIPMENT PROTECTED BY PATENTS: EP1042108 | E215874 | P19813732-8 | 2,312,374 | ZL98812630.3 | 215588 | 136,935 | 2000-526336 | 10-0616469 | 220759 | P341526 | ES2173657T3 | 04/2320 | US 6,530,139 B1 | US 6,751,840 B2 | US 7,069,637 B2 | PCT/GB2008/050487 | 08290385 | 57411 | P4527278



MSA ENGINEERING SYSTEMS LIMITED, 3 Assured Drive, Thurmaston, Leicester, LE4 8BB, United Kingdom
 phone +44 (0)116 260 8866 | fax +44 (0)116 260 8861 | sales@msa-engineering.co.uk | www.msa-engineering.co.uk
 Registered Office: 12 Shibden Hall Croft, Shibden Hall Road, Halifax, W. Yorkshire, HX3 9XF, UK | Registered No. 2636196 England