

A close-up photograph of an industrial machine used for wire laying. On the left, a long, dark, cylindrical tool with a small tip extends horizontally. To its right is a large, semi-circular, dark-colored component mounted on a metal base. This component has several silver-colored bolts around its perimeter. The background is a light-colored metal panel with some circular features. The overall lighting is somewhat dim, with a blueish tint on the left side.

SWL

Patented Wire Laying for Electrofusion Fittings

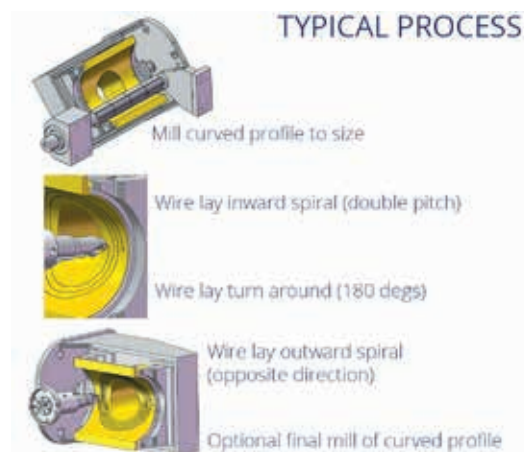




The SWL (saddle wire laying) is an horizontal format, 5-axis CNC controlled electrofusion wire laying machine, designed for machining and wire laying the curved profile of saddle fittings.

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 400mm and saddle diameter from 90mm to infinity (standard and special types). All sizes subject to fitting design.



TYPICAL FITTING CAPACITY:	CLAMPING*
Branch Saddles	D90x32 to D/infinity x400
Tapping Tee	D90x32 to D/infinity x63
Special / Prototype	D90x32 to D/infinity x400

* Clamping range and type dependent on fitting design.

TECHNICAL DATA:	
Milling Spindle	0 to 3000 rpm, 5.5kW
Standard Milling Cutter	80mm diameter x 500mm long
A-Axis Rotary	360deg @ 9000deg/min
B-Axis Rotary	360deg @ 14400deg/min
X-Axis Linear	500mm stroke @ 40m/min
Y-Axis Linear	500mm stroke @ 40m/min
Z-Axis Linear	1070mm stroke @ 40m/min
Maximum Power Consumption	25kW
Width (W)	4000mm
Height (H)	2600mm
Depth (D)	2600mm
Weight	6500Kg

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