

Pole welding line | Bi-shell

# PWL BS - Pole Welding

The PWL-BS welding line is the specific solution for the production of large bi-shell poles.

The **PWL Bi-Shell** line allows you to weld conical, round and polygonal **double-shell** poles, up to 1.6 m in diameter and 20 mm thick with pre-tack welding on one side only, automatic pole rotation device and system integrated pre-tack removal. A post-heating device (induction or gas) allows to compensate for thermal deformations in order to optimize the transport dimensions. **Bi-Shell** is designed for the manufacture of telecommunication and power transmission towers.

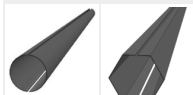


## Sectors



	PWL BI-SHELL
NUMBER OF SHELL	2
TYPES OF POLES	Round / Polygonal / Conical
NUMBER OF SIDES	12 / 16 / 20
POLE DIAMETER Ø	140 / 1500 mm
POLE THICKNESS	6 - 20 mm
POLE LENGTHS	3 – 14 m
WELDING SPEED	0.15 – 3 m/min
TYPE OF WELDING	Submerged arc: Single-arc

## Type of poles



## Accessories & Torches

Rotating Grounding 1500 A  
Wire marathon packs turning table  
Laser pointer  
Welding monitoring camera  
Tavola rotante Girafusto  
Flux dryer  
Pneumatic flux tank feeder  
Flux-heating system  
Contact tip for Torch single-arc 1/8" Ø3.2mm  
Contact tip for Torch single-arc 5/32" Ø4mm  
Contact tip for Torch single-arc 5/64" Ø2mm  
Contact tip for Torch single-arc Long-Wire-Out 5/32" Ø4mm  
Contact tip for Torch twin-arc 1/16" Ø1.6mm  
Contact tip for Torch twin-arc 5/64" Ø2mm  
Wire guide bush Ø25mm

