

## Automated welding and weld overlay solutions

In addition to its range of orbital welding equipment, POLYSOUDE designs **complete scalable automated installations** and **weld overlay solutions** using the TIG Cold Wire, TIG Hot Wire and Plasma processes, or any combination, to meet all your needs.



### AUTOMATED WELDING

TIG Cold Wire, TIG Hot Wire, Plasma

- Longitudinal or circular welding
- Welding from the inside / outside
- Complex workpieces
- Integrated solutions



### WELD OVERLAY

TIG Cold Wire, TIG Hot Wire, TIG<sup>er</sup>

- Tube, flange, elbow, valve body, complex workpieces
- Longitudinal or circular welding
- Welding from the inside / outside
- Integrated solutions
- TIG<sup>er</sup> bi-cathode

## Related Services

Advice, assistance, maintenance, training, rental service... We intervene at all levels to ensure equipment availability and maximum productivity for our customers.

Our range of customised solutions:



- On-site technical assistance
- Tailored training
- Development of welding procedures
- Preventative maintenance
- Retrofit & upgrade
- Spare parts and consumables
- Rental service

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**POLYSOUDE**  
60 YEARS  
ANNIVERSARY

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## Product Range Orbital Welding



A member of

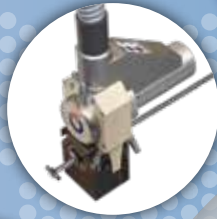


### Ultra High Purity, closed chamber welding head

- Perfectly suited for welding precision tubes and micro-fittings
- Use with fixture block
- Integrated controls in the handle

## UHP

TIG



## MW

TIG



### High duty cycle, closed chamber welding head

- For the welding of stainless steel low to medium sized tubing and fittings, with unique titanium Tube Clamp Inserts (TCIs), guaranteed for life.
- High duty cycle due to its cooling system
- Integrated controls in the handle

## MU

TIG CW

TIG HW



### Modular open welding head

- A wide range of welding heads for thin wall to heavy wall thicknesses
- Simplicity and speed of adaptation to different diameters and weld joints, on-site or prefabrication



## POLYCAR

TIG CW

TIG HW

### Carriage-type welding head for a wide range of diameters

- Rails of any diameter and various torches offer great flexibility of use
- Perfectly adapted to a demanding environment, on-site or prefabrication



## TS 34

TIG

### Welding head with gas closed chamber

- Designed for the welding of titanium, Inconel and all oxidation sensible materials
- For welding of flush or slightly recessed tubes without filler wire

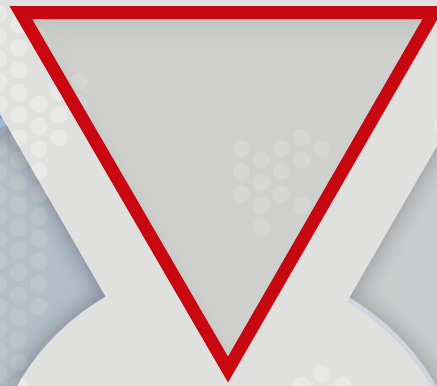


## TS 8/75

TIG CW

### Welding head unique for its versatility

- Suitable for all weld joint configurations, even internal bore or back plate applications
- With rotating wire feeder
- Integrated controls in the handle



TUBE-TO-TUBE

ORBITAL WELDING

POWER SOURCES

WIRE FEEDERS

TUBE-TO-TUBESHEET

## P3 UHP

TIG



### Smart Welding Stations

- Configurable power sources, fully adaptable to your specific needs and perfect for custom-made applications
- Stand-alone or networked
- Easy to use due to the program library
- Intuitive auto-programming, via the Graphical User Interface (GUI)
- Real time welding parameters acquisition system
- Compatible with the full range of welding heads

## P4

TIG CW



## P6

TIG CW

TIG HW



## POLYFIL

TIG CW

TIG HW



### Portable external wire feeder

- Designed for standard high capacity spools (15 kg / 300mm)

## POLYFIL COMPACT

TIG CW

### External mini-wire feeder

- For maximum mobility
- For standard 1.5 kg / 100 mm diameter spools



Ask us for our brochures!

