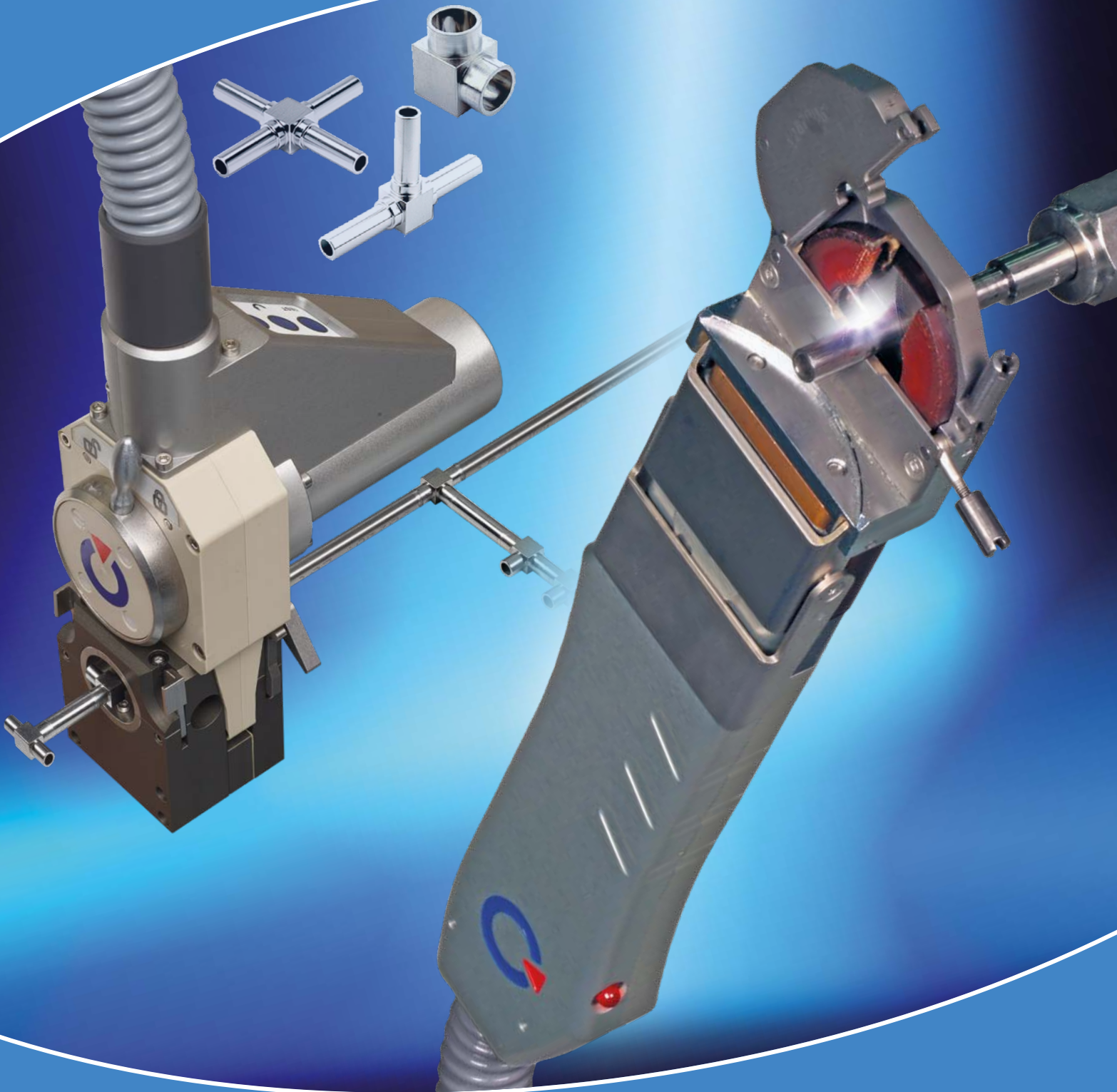




TIG - Without Filler Wire

Closed chamber welding heads for Ultra High Purity welding



POLYSOUDE

60 YEARS
ANNIVERSARY

UHP Closed chamber welding heads

for Ultra High Purity welding

A range of modular standard welding heads, perfectly adaptable to your needs

Advantages

- ▶ Oxidation-free welds
- ▶ Reduced radial and axial dimensions, especially for UHP250-2 and UHP 500-3 welding heads
- ▶ Guaranteed constant quality by the closed loop regulation to ensure precise welding speed
- ▶ Modular design for covering a large range of diameters
- ▶ Clamping system adaptable to the workpiece design for all types of applications

The result of 50 years experience in mastering orbital welding technology

A modular concept for UHP 625 :

- ▶ Unique drive motorisation
- ▶ Removable fixture-blocks
- ▶ Clamping collets for tube or micro-fitting



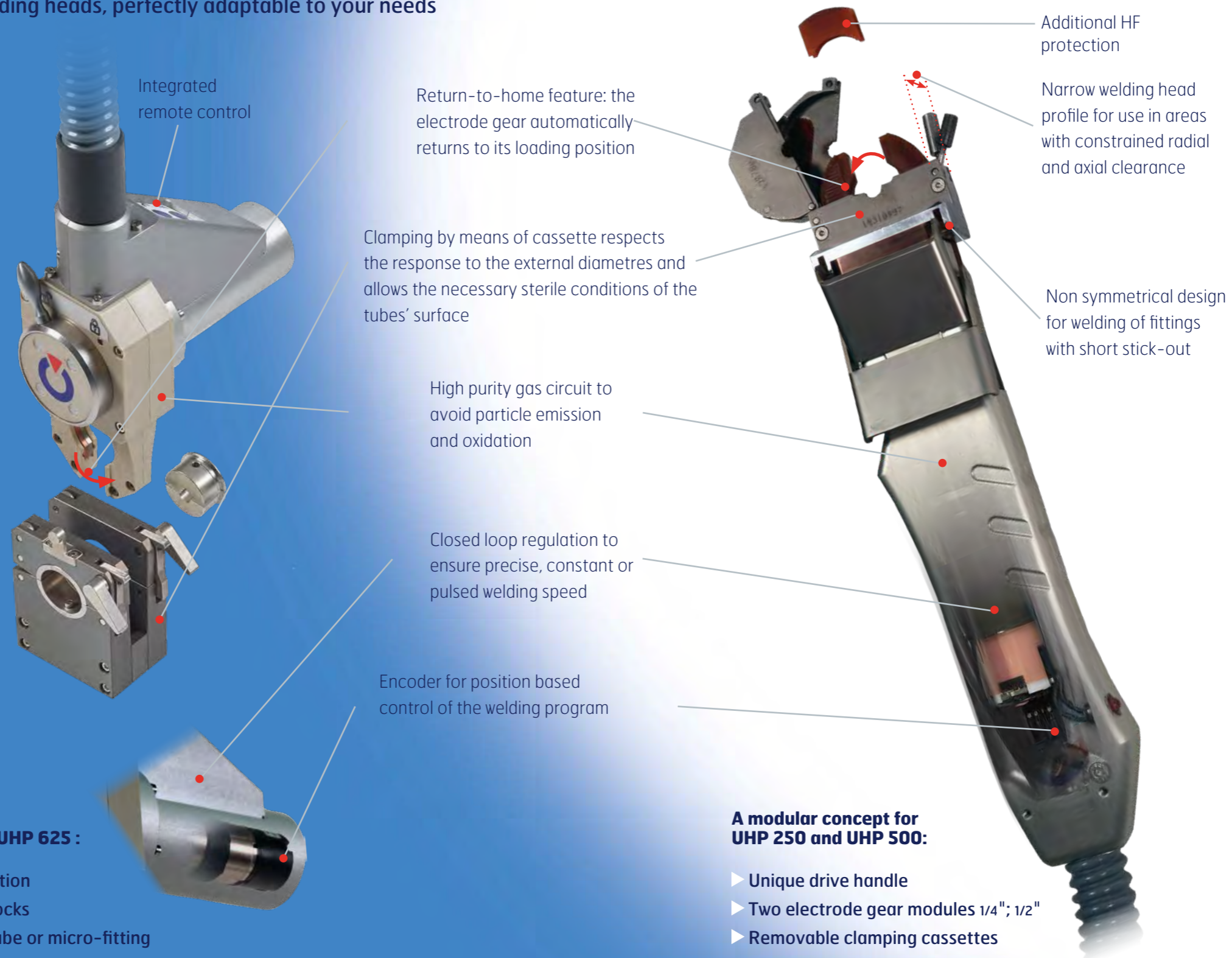
▶ P3 UHP

Compact, lightweight (17 kg), dedicated to Ultra High Purity industries, programming by PC/notebook or touch screen, single-phase power supply

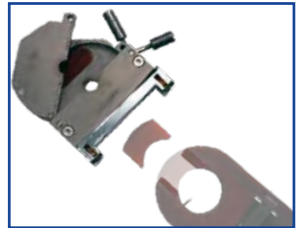
▶ Compatibility

with all Polysoude power sources

General characteristics



Removable Titanium clamping cassette for UHP 250-2



Removable Titanium clamping cassette for UHP 500-3



Ergonomic: integrated remote control for welding on UHP 625



Modular: a range of adapted fixture blocks and TCIs™ to increase productivity

A modular concept for UHP 250 and UHP 500:

- ▶ Unique drive handle
- ▶ Two electrode gear modules 1/4"; 1/2"
- ▶ Removable clamping cassettes

The Complete Range



UHP 250-2



UHP 500-3



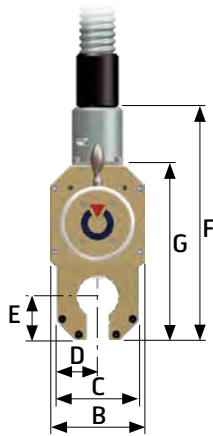
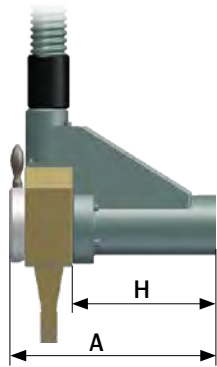
UHP 625

Associated Power Sources

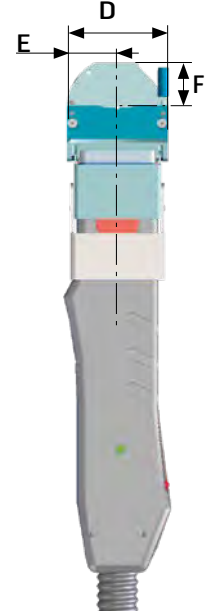
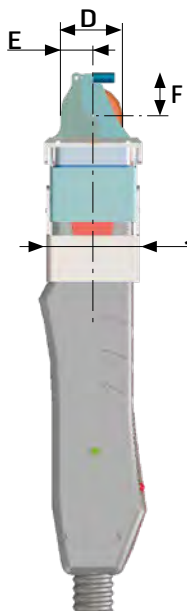
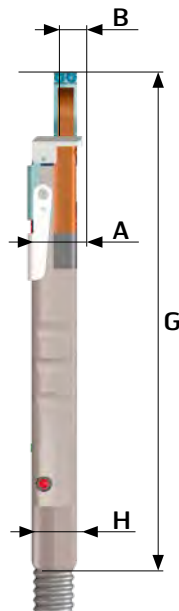
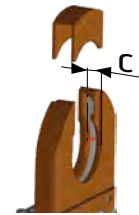
Technical specifications

Type	Tube O.D. in mm / inches	
UHP 625	3 – 17.3mm	1/8" – 11/16"
UHP 250-2	1.60 – 6.35mm	1/16" – 1/4"
UHP 500-3	3.00 – 12.70mm	1/8" – 1/2"

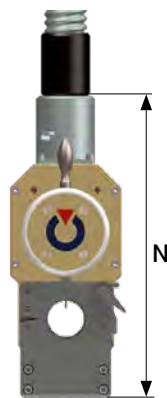
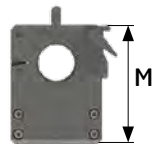
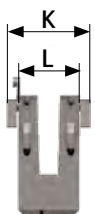
Type	Dimensions in mm / inches									
	A	B	C	D	E	F	G	H	J	
UHP 625	153 (6.02")	70 (2.76")	60 (2.36")	30 (1.18")	33,5 (1.3")	214 (8.43")	131 (5.16")	106 (4.17")		
UHP 250-2	27.8 (1.09")	11.9 (0.47")	5.6 (0.22")	31.6 (1.24")	16,5 (0.65")	22.3 (0.88")	257 (10.12")	23 (0.9")	44.5 (1.75")	
UHP 500-3	25.4 (1")	12 (0.47")	5.7 (0.22")	51.3 (2.02")	25.7 (1.01")	23 (0.91")	261 (10.28")	23 (0.9")	44.5 (1.75")	



Cable length: 5.5 m



UHP 625 Fixture blocks - tube/tube welding - Dimensions in mm (inches)			
K	L	M	N
≈52 (≈2.05")	38 (1.50")	75 (2.95")	232 (9.13")



UHP 625

UHP 250-2 UHP 500-3

Options and accessories

- Removable clamping cassettes and Tube Clamp Inserts (TCI) for all tube and pipe O.D.s available both in metric and imperial sizes
- Removable Fixture-Blocks for all types of micro-fittings, providing perfect tube end centring, alignment and great clamping force (UHP 625)
- Interchangeable electrode gear modules 1/4" ; 1/2" for optimised use of axial and radial clearance around the welding joint (UHP 250-2 and UHP 500-3)
- Extension cable (15 m)
- Dual welding head switch box
- Compact shipping case for transport and storage
- Tungsten electrodes, pre-sharpened and pre-cut
- Tool-kit for daily operations

 Adapted for all your applications!



