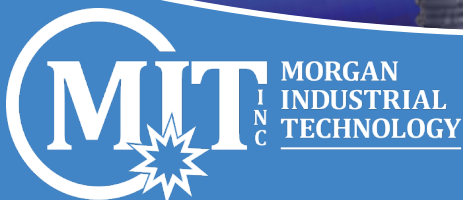




TIG - W i t h o u t F i l l e r W i r e

Closed chamber welding heads
for Ultra High Purity welding



POLYSOUDE
THE ART OF WELDING



Closed chamber welding heads for Ultra High Purity welding

A range of modular evolutive welding heads, perfectly adaptable to your needs
Compact design, maximum efficiency: reduced radial and axial sizes for maximum flexibility

Advantages

- ▶ Ultra compact: reduced radial and axial dimensions
- ▶ Precision guaranteed: with an optimum closed-loop regulation system to ensure constant quality output
- ▶ Modular Design: covering a very wide range of diameters
- ▶ Adaptable Clamping System: unique system adaptable to workpiece design for all applications

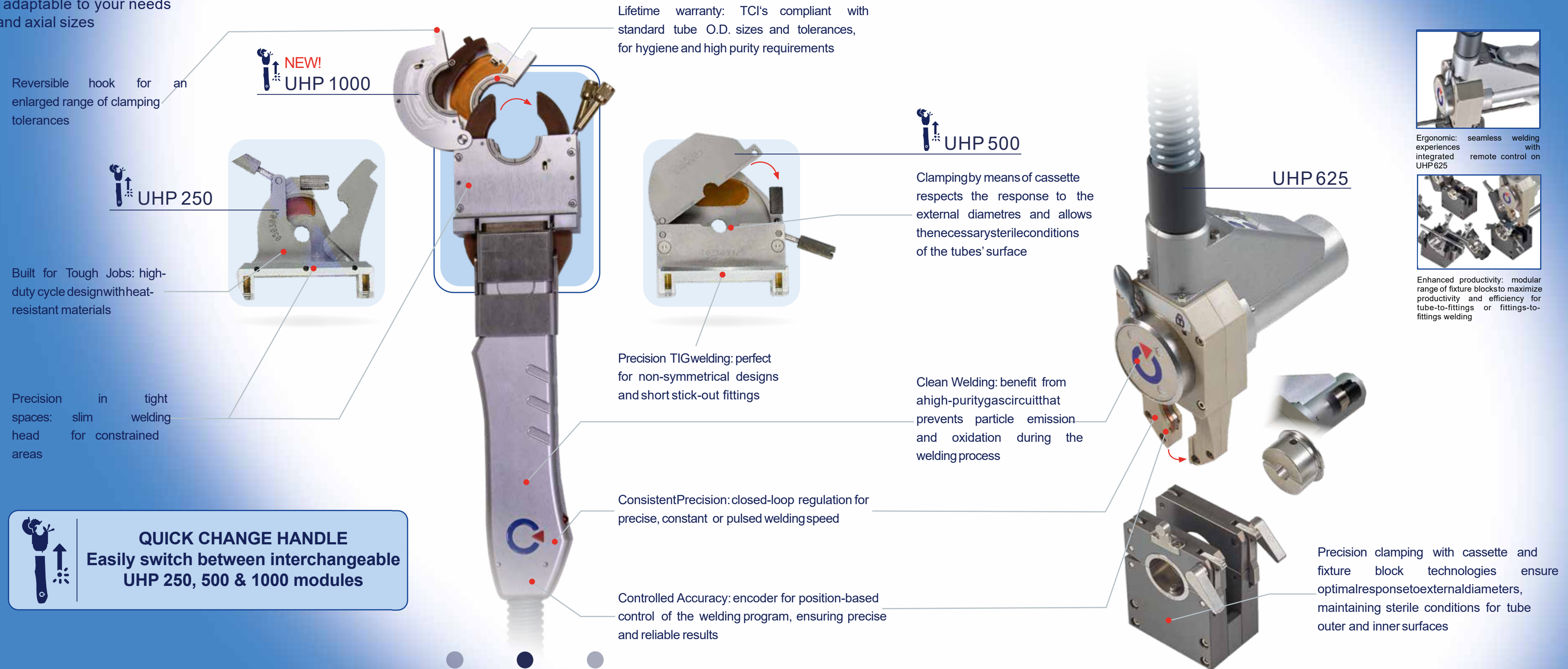
Benefits

- ▶ Oxidation-free welds
- ▶ Simple & efficient product design
- ▶ Reduced cost of ownership
- ▶ Cassette and fixture blocks guaranteeing high-quality, repeatable orbital welds

Backed by over 60 years of expertise:
Our products reflect decades of mastery in orbital welding technology, ensuring unmatched reliability and performance.



Flexible UHP welding heads



Smart
WeldingS
stations



▶ P3 UHP CLEANROOM

Available in Full Cleanroom environment

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 Smart Welding Stations

Complete
range



UHP 250



UHP 500



UHP 1000

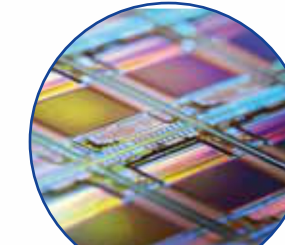


UHP 625

Adapted for
all your
applications!



CLEANROOM



SEMICONDUCTOR



NUCLEAR



AEROSPACE



FOOD & BEVERAGE

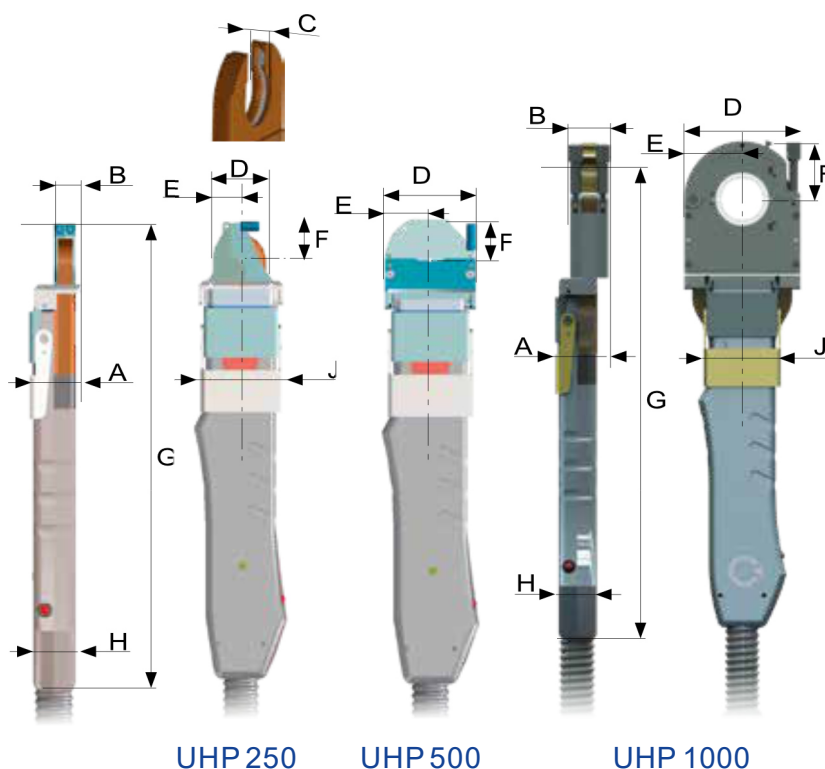
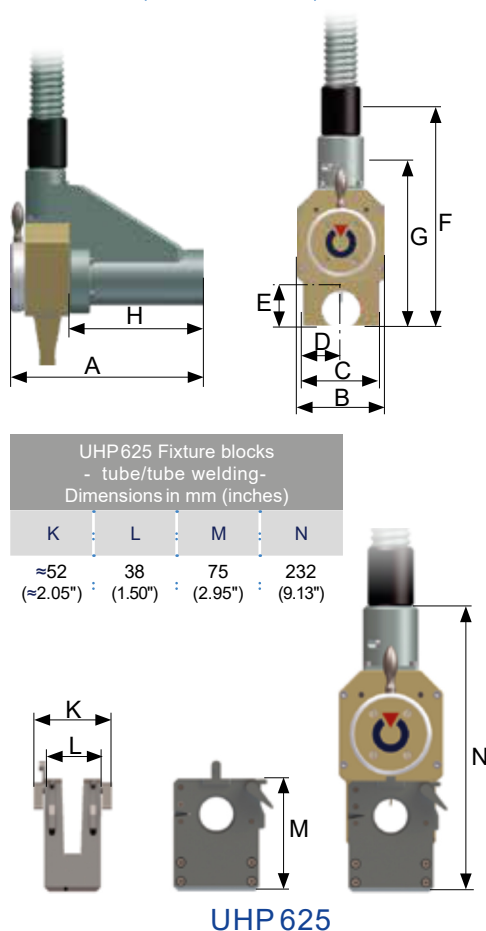


Technical specifications

Type	Tube O.D. in mm / inches	
UHP625	3 – 17.3mm	1/8" - 11/16"
UHP250-2	1.60 – 6.35mm	1/16" - 1/4"
UHP500-3	3.00 – 12.70mm	1/8" - 1/2"
UHP1000	6.35 - 25.4 mm	1/4" - 1"

Type	Dimensions in mm / inches								
	A	B	C	D	E	F	G	H	J
UHP625	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")	
UHP250-2	27.8 (1.09")	119 (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")
UHP500-3	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")
UHP 1000	33 (1.30")	26 (1.02")	4.95 (0.16")	72.3 (2.83")	36 (1.42")	36.4 (1.42")	302 (11.89")	23 (0.90")	44.5 (1.73")

Cable length: 5.5 m



Options and accessories

- Interchangeable clamping cassettes and Tube Clamp Inserts (TCI) for all tube and pipe O.D.s available both in metric and imperial sizes
- Modular fixture-blocks for all types of micro-fittings, providing perfect tube end centring, alignment and great clamping force (UHP625)
- Quick-change gear modules from 1/16" up to 1" for compact and optimised clearance around the welding joint (UHP250-2, UHP500-3 and UHP1000)
- Extension cable (15m)
- Dual welding head switch box
- Compact shipping case for transport and storage
- Tungsten electrodes, pre-sharpened and pre-cut
- Tool-kit for daily operations
- Full-set of workbench supports for UHP& MW welding heads



POLYSOUDE: Related services

► Guidance and technical support

A welding application specialist in your area will advise you on the welding process and appropriate equipment for your application.

► Commissioning / Training

A complete training program will enable you to start using the equipment immediately and in the best way possible.

► Maintenance / Repair

Maintenance and repair operations can be carried out at the Polysoude plant as well as on site by our service network.

► Rental service

Increase the flexibility of your production! A large range of equipment is available for rental from our hire fleet.



Your partners worldwide

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