

Changeable clamping inserts



Integrated control buttons



Weld heads MW 40/65/115/170

Closed chamber weld heads

MW 40/65/115/170

Orbital welding heads for tube-to-tube welding

Standard equipment

- Closed chamber weld head with hosepack 5,5 m
- Protection chamber for gas-covering to avoid coloration
- Compact design for use in areas with limited access
- „Solid Flex“ titanium tube clamps for optimum hold and positioning
- Special gas arrival to avoid particle emissions
- Consistent high quality welding due to water cooling
- DC-motor drive with encoder-system (quick change)
- Transport case
- Viewport for weld joint inspection
- Modular clamping insert-system (quick change)
- Integrated control buttons with following functions:
 - Rotation movement, gas & water-circuit test (out of weld cycle)
 - Start cycle, downslope, stop (during weld cycle)

Recommended base materials:

- Stainless steel
- Titanium
- Inconel
- Aluminium (limited)
- etc.

Recommended areas of use:

Special for welding of thin-walled tubes and high productivity applications (tube outer diameter 6,0 up to 170 mm , wall thickness max. 3,5 mm)

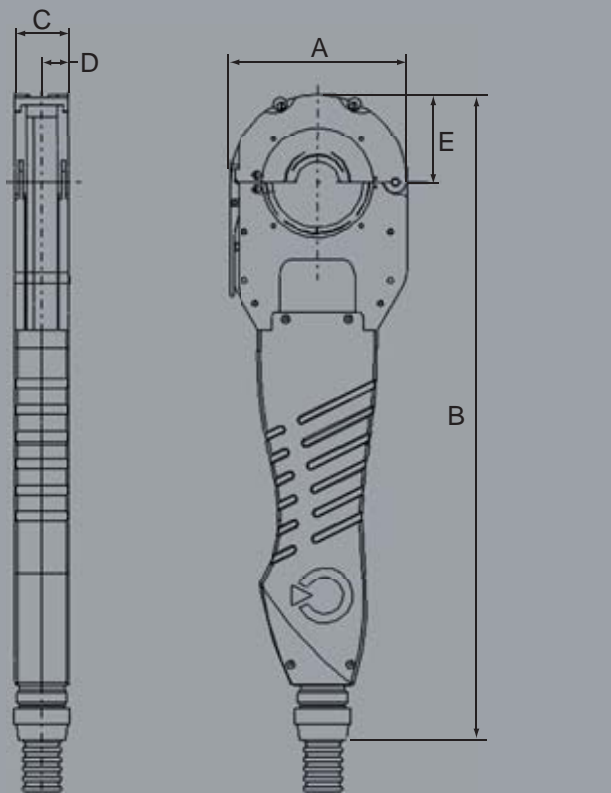
- Microelectronics
- Pharmacy/Biochemical industry
- Food industry
- Climate industry
- Aerospace/ Aeronautics
- Measurement sensors



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Process

TIG DC or TIG AC/DC welding (flush joint) of pipes without filler wire

Accessories

- Clamping inserts (Titanium) for one tube outer-diameter
- Special designed clamping inserts
- Adaptor for clamping inserts of previous MW-models
- Offset electrode holder (tubes with reduced straight length)
- Shield for one tube outer-diameter (tube-elbow)
- Extension hosepack

Technical data	Tube outer diameter	Dimensions					
		A	B	C	C*	D	E
MW 40	6 - 40 mm	100 mm	430 mm	38 mm	38 mm	19 mm	50 mm
MW 65	12 - 65 mm	126 mm	458 mm	38 mm	57,5 mm	19 mm	63 mm
MW 115	25 - 115 mm	200 mm	547 mm	46 mm	68 mm	23 mm	100 mm
MW 170	80 - 170 mm	290 mm	580 mm	63 mm	63 mm	31,5 mm	145 mm

C* ... width with adaptor and clamping inserts of previous MW model



PERFECT WELDING

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