



TIG - Without filler wire

Closed chamber welding head for welding of tube-to-tube joints



POLYSOUDE

60 YEARS
ANNIVERSARY



Closed chamber welding head for welding of tube-to-tube joints

Easy to use, highest quality and productivity

General characteristics

Advantages

- ▶ Oxidation-free welds
- ▶ Optimised ergonomics, easy to use
- ▶ High duty cycle
- ▶ Respecting international standards and norms (EHEDG, ASME, FDA...)
- ▶ Compatible with all Polysoude™ Power Sources

Resulting from 50 years' experience in mastering welding technologies

Reversible hook for an enlarged range of clamping tolerances

Interchangeable flexible titanium Tube Clamp Inserts – TCI's™. Comply with standard tube O.D. sizes and tolerances, for hygienic and high purity requirements

Narrow welding head profile for use in areas with constrained axial and radial clearance

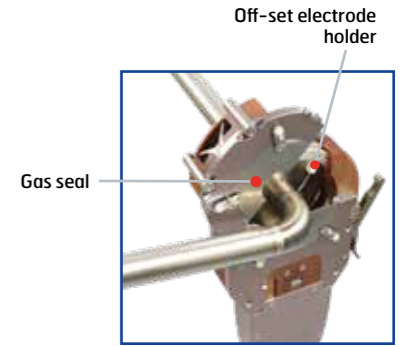
Closed loop regulation to ensure precise, constant or pulsed welding speed

Return-to-home feature: the electrode gear automatically returns to its loading position

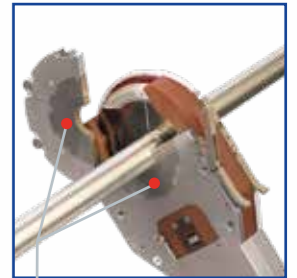
Particularly designed for high duty cycle applications by means of high temperature resistant materials and closed loop water cooling

Encoder for position based control of the welding program

Remote control



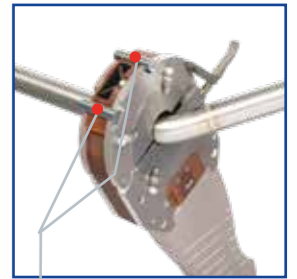
Elbow kit



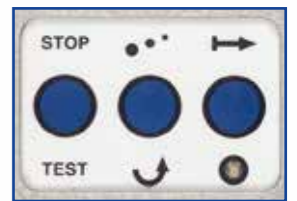
Flexible Titanium Tube Clamp Inserts -TCI's™



Adjustable protection disc for gas protection



Reinforcement bars



Integrated remote control

Smart
Welding
Stations



▶ P3 UHP

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



▶ P4

170 A, "modular", portable, programming by PC or touch screen, single-phase power supply

The Complete
Range



MW 34



MW 40



MW 65



MW 115



MW 170

 Adapted for all your applications!



"Learning to use the equipment took me less than one day of training."

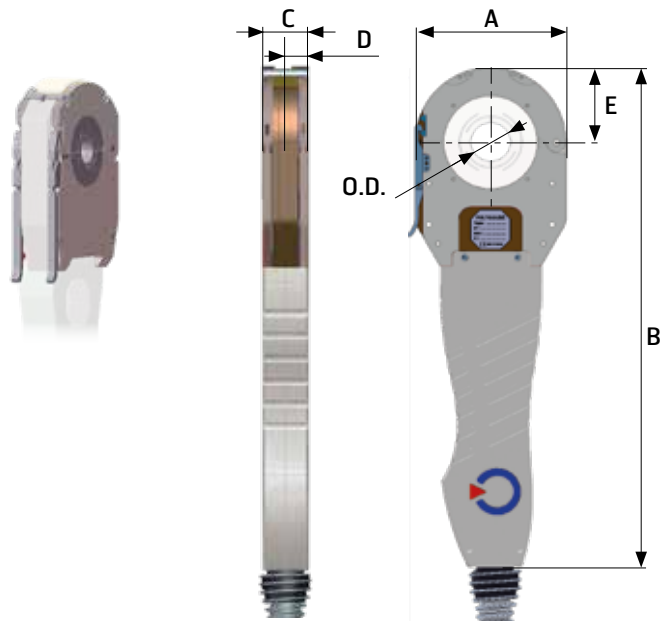


Technical specifications

Type	Tube O.D. in mm / inches		Dimensions in mm / inches					Net weight in kg / lbs
	from	to	A	B	C	D	E	
MW 34-2	6 - 34 mm	1/4" - 1 1/4"	95 (3.74")	357 (13.78")	33.7 (1.33")	16.9 (0.75")	50 (1.97")	6 (13)
MW 40-3	6 - 40 mm	1/4" - 1 3/8"	100 (3.94")	420 (16.53")	38 (1.50")	19 (0.75")	53 (2.1")	6 (13)
MW 65-3	6 - 65 mm	1/4" - 2 1/2"	126 (4.96")	458 (18.03")	38 (1.50")	19 (0.75")	63 (2.48")	7 (15)
MW 115-3	12 - 115 mm	1/2" - 4"	200 (7.87")	547 (21.54")	46 (1.81")	23 (0.91")	100 (3.94")	9 (20)
MW 170-2	80 - 170 mm	3 5/32" - 6 5/8"	290 (11.42")	580 (22.83")	63 (2.48")	31.5 (1.22")	145 (5.71")	18 (44)

Type	Electrode offset					
	1-5 mm / 0.04-0.2"		2-11 mm / 0.08-0.43"		3-5 mm / 0.08-0.43"	
	Max. tube O.D. in mm / inches					
MW 34-2	25.4 mm	1"	/	/	/	/
MW 40-3	33.7 mm	1.3"	19.05 mm	3/4"	/	/
MW 65-3	60.3 mm	2 1/4"	42.4 mm	1 1/4"	/	/
MW 115-3	114.3 mm	4"	101.6 mm	3 1/2"	/	/
MW 170-2	/	/	152.4 mm	6"	168.3 mm	6 5/8"

Cable length: 5.5 m



Options and accessories

- Titanium Tube Clamp Inserts – TCI's™ or adjustable protection disks for all tube and pipe O.D.s, available both in metric and imperial sizes
- Elbow-kit with off-set electrode holder, single sided tube clamping and gas seal, designed for fittings or components with short stick-out
- Extension cable (15 m)
- Dual welding head switch box
- Compact shipping case for transport and storage
- Tungsten electrodes, pre-sharpened and pre-cut

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

ARGENTINA

POLYSOUDE S.A.S.
☎ +33 (0) 2 40 68 11 00
info@polysoude.com

AUSTRALIA

POLYSOUDE S.A.S.
☎ +33 (0) 2 40 68 11 00
info@polysoude.com

AUSTRIA

POLYSOUDE AUSTRIA GmbH
☎ +43 (0) 3613 200 36
austria@polysoude.at

BAHRAIN

SALWO TRADING Ltd.
☎ +971 (0) 48 81 05 91
salwo@emirates.net.ae

BELGIUM

POLYSOUDE BENELUX BV
☎ +31 (0) 653 84 23 36
benelux@polysoude.com

POLYSOUDE BENELUX BV (SERVICE)
☎ +31 (0) 653 38 85 58
service.benelux@polysoude.com

BRAZIL

POLYSOUDE S.A.S.
☎ +33 (0) 2 40 68 11 00
info@polysoude.com

BULGARIA

KARWELD EOOD
☎ +359 (0) 29 73 32 15
Karweld@bg400.bg

CANADA

MAG Tool – West
EDMONTON – ALBERTA
☎ +1 800 661 9983
magtool@magtool.com

MAG Tool – East

TORONTO – ONTARIO
☎ +1 905 699 – 5016
ray@magtool.com

CHINA

POLYSOUDE SHANGHAI CO. Ltd
☎ +86 (0) 21 64 09 78 26
jm.pan@polysoude.com.cn

CROATIA

EUROARC D.O.O.
☎ +385 (0) 1 2 40 60 77
euroarc@euroarc.hr

CZECH REPUBLIC

POLYSOUDE CZ
☎ +420 602 60 28 55
m.matousek@polysoude.cz

DENMARK

HALL & CO. INDUSTRI
☎ +45 (0) 39 56 06 76
p.lorenzen@polysoude.com

EGYPT

STEEL TECH
☎ +2 02 22 02 99 79
info@steeltecheg.com

ESTONIA

POLYSOUDE S.A.S.
☎ +33 (0) 2 40 68 11 00
info@polysoude.com

FINLAND

SUOMEN TEKNOHAUS OY
☎ +358 (0) 927 47 2 10
info@teknohaus.fi

FRANCE

POLYSOUDE S.A.S.
☎ +33 (0) 2 40 68 11 00
info@polysoude.com

GERMANY

POLYSOUDE DEUTSCHLAND GmbH
DUSSLINGEN
☎ +49 (0) 7072 60076 0
info@polysoude.de

GREECE

POLYSOUDE S.A.S.
☎ +33 (0) 2 40 68 11 00
info@polysoude.com

JAPAN

GMT CO Ltd – KAWASAKI
☎ +81 (0) 44 222 6751
gmt@e-gmt.co.jp

GMT CO Ltd – OSAKA

☎ +81 (0) 798 35 6751
gmt.kansai@e-gmt.co.jp

JORDAN

POLYSOUDE S.A.S.
☎ +33 (0) 2 40 68 11 00
info@polysoude.com

KUWAIT

SALWO TRADING Ltd.
☎ +971 (0) 48 81 05 91
salwo@emirates.net.ae

LATVIA

POLYSOUDE S.A.S.
☎ +33 (0) 2 40 68 11 00
info@polysoude.com



HUNGARY

POLYWELD Kft.
☎ +36 (0) 20 29 88 708
polyweld@polyweld.hu

INDIA

POLYSOUDE INDIA
☎ +91 (0) 20 271 27 678
ab.kulkarni@polysoude.in

INDONESIA

POLYSOUDE S.A.S.
☎ +33 (0) 2 40 68 11 00
info@polysoude.com

ISRAEL

POLYSOUDE S.A.S.
☎ +33 (0) 2 40 68 11 00
info@polysoude.com

ITALY

POLYSOUDE ITALIA SRL
☎ +39 02 93 79 90 94
info@polysoude.it

LITHUANIA

POLYSOUDE S.A.S.
☎ +33 (0) 2 40 68 11 00
info@polysoude.com

MALAYSIA

POLYSOUDE S.A.S.
☎ +33 (0) 2 40 68 11 00
info@polysoude.com

NETHERLANDS

POLYSOUDE BENELUX BV
☎ +31 (0) 653 84 23 36
benelux@polysoude.com

POLYSOUDE BENELUX BV (SERVICE)

☎ +31 (0) 653 38 85 58
service.benelux@polysoude.com

NEW ZEALAND

POLYSOUDE S.A.S.
☎ +33 (0) 2 40 68 11 00
info@polysoude.com

NORWAY

TEMA NORGE AS
☎ +47 (0) 51 69 25 00
tema@tema-norge.no

OMAN

SALWO TRADING Ltd.
☎ +971 (0) 48 81 05 91
salwo@emirates.net.ae

PAKISTAN

POLYSOUDE S.A.S.
☎ +33 (0) 2 40 68 11 00
info@polysoude.com

PHILIPPINES

POLYSOUDE S.A.S.
☎ +33 (0) 2 40 68 11 00
info@polysoude.com

POLAND

UNIDAWELD – BEDZIN
☎ +48 (0) 32 267 05 54
dariusz.szota@unidaweld.pl

SUPRA ELCO

☎ +48 500 004 804
jacek.szulc@supraelco.waw.pl

SINGAPORE

POLYSOUDE SINGAPORE OFFICE
☎ +65 0734 8452
Jmpan@singnet.com.sg

SLOVAKIA

POLYSOUDE CZ
☎ +420 602 60 28 55
m.matousek@polysoude.cz

SOUTH AFRICA

POLYSOUDE S.A.S.
☎ +33 (0) 2 40 68 11 00
info@polysoude.com

SOUTH KOREA

CHEMIKO CO Ltd
☎ +82 (0) 2 567 5336
chemiko@chemiko.net

SPAIN

POLYSOUDE S.A.S.
☎ +33 (0) 2 40 68 11 00
info@polysoude.com

SWEDEN

HALL & CO. INDUSTRI
☎ +45 (0) 39 56 06 76
p.lorenzen@polysoude.com

SWITZERLAND

POLYSOUDE (SWITZERLAND) Inc.
☎ +41 (0) 43 243 50 80
contact@polysoude.ch

TAIWAN R.O.C.

FIRST ELITE ENT. CO. Ltd
☎ +886 (0) 287 97 88 99
auto.pipe@msd.hinet.net

THAILAND

POLYSOUDE S.A.S.
☎ +33 (0) 2 40 68 11 00
info@polysoude.com

TURKEY

EGE MAKINE
☎ +90 (0) 212 237 40 40
info@egemakine.com

UNITED ARAB EMIRATES

SALWO TRADING Ltd.
☎ +971 (0) 48 81 05 91
salwo@emirates.net.ae

UNITED KINGDOM

POLYSOUDE UK
☎ +44 (0) 1942 820 935
admin.uk@polysoude.com

UKRAINE

POLYSOUDE RUSSIA
☎ +7 495 564 86 81
info@polysoude.ru

UNITED STATES

ASTRO ARC POLYSOUDE Inc.
☎ +1818 (859) 7600
sales@astroarc.com

VENEZUELA

ENRIVA C.A.
☎ +58 (0) 412 34 82 602
enriva@gmail.com

VIETNAM

ANH DUONG IT Ltd
☎ +84 22 159 532
an@anhduongco.com

Find us on



Polysoude S.A.S.

Z.I. du Bois Briand • 2 rue Paul Beaupère
F - 44300 NANTES

☎ +33 (0) 2 40 68 11 00 • 📠 + 33 (0) 2 40 68 11 88

🌐 www.polysoude.com • 📧 info@polysoude.com

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