Streamlined version

METALSELF.COM

YOUR TRUSTED SUPPLIER



Innovation tailored for your industry

PRODUCT INVENTORY

2025-2026

www.metalself.com

ORBITAL WELDING MACHINE





Perfect Systems, Optimized Costs: The Metalself Orbital Welder, Your New Expert in Welding.
If you work with fluid systems and piping, it is indispensable!

Metalself orbital welders represent the optimal solution for companies striving for excellence in pipe welding, guaranteeing quality, efficiency, and reliability in every application.







1 Exceptional quality welds:

The regulated rotation of the torch guarantees a consistent fusion and a uniform, clean weld bead, thereby reducing defects and the necessity for rework.

2 Outstanding repeatability:

Once the welding parameters are established, each joint will mirror the previous one, guaranteeing uniform quality even in substantial production volumes.

The primary advantages of MetalSelf orbital welding are as follows:



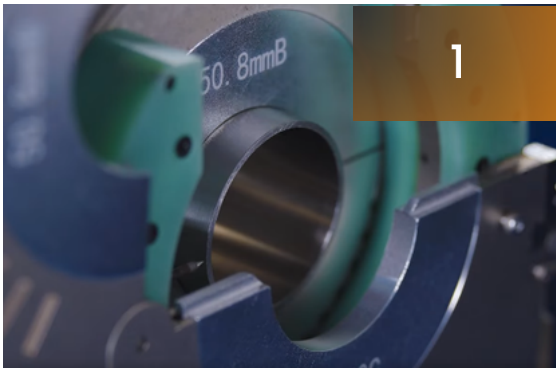


3 Efficiency and Productivity:

Process automation minimizes welding durations and dependence on manual operator expertise, thereby enhancing production velocity and lowering long-term expenses.

4 Process dependability:

Orbital welding is an exceptionally reliable process that reduces human error and guarantees consistent outcomes, even in critical applications.

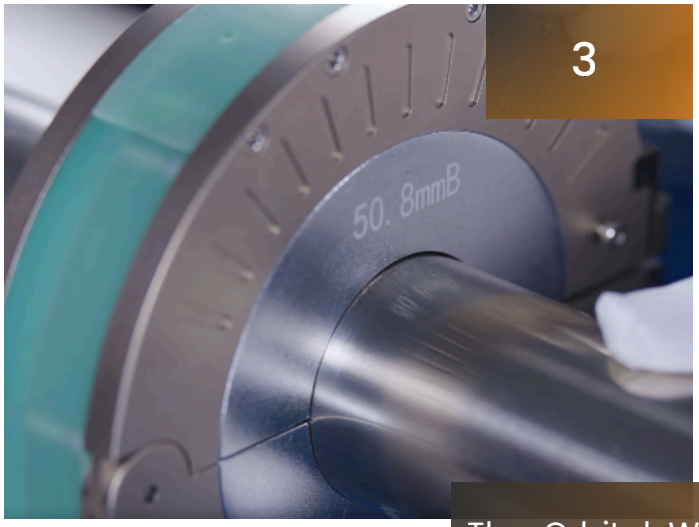


Precise Clamping: The initial end of the pipe designated for welding is securely and accurately clamped within the Metalself orbital clamp, guaranteeing optimal initial alignment.

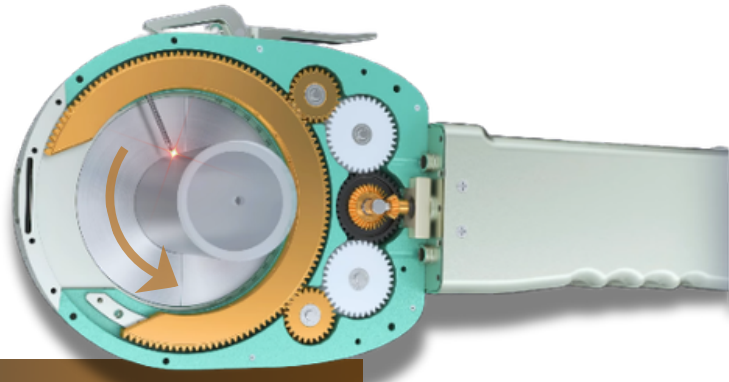


Aligned Coupling: The second end of the tube is meticulously brought together and aligned with the first, preparing the joint for welding within the operational area of the orbital clamp.

Enhance quality, minimize costs, and surpass the competition: invest today in the precision and unparalleled reliability of Metalself orbital welders.



Secure Clamping: The orbital clamp flange is securely closed and locked.



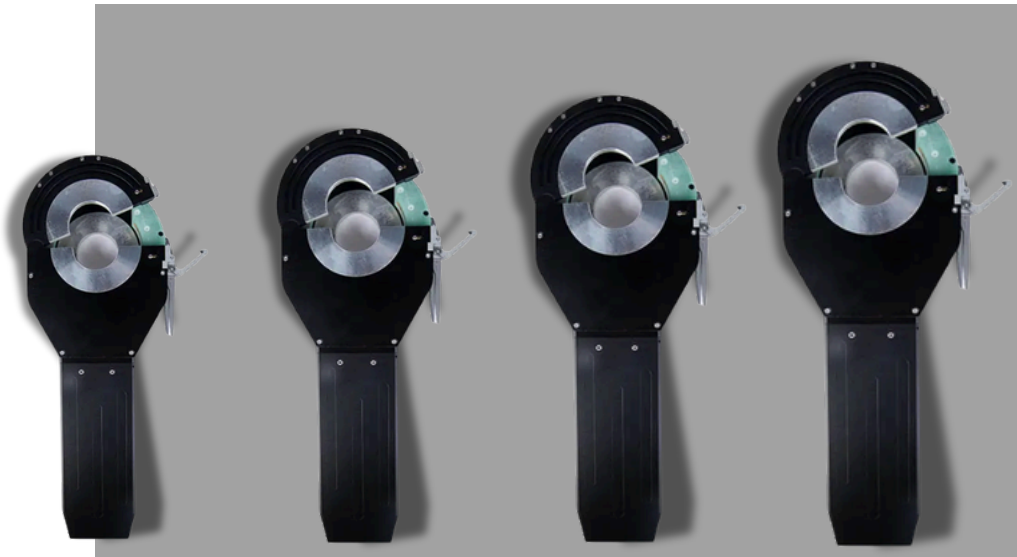
The Orbital Welder automates the TIG welding procedure by rotating the torch around the pipe designated for welding.

Automatic Welding: With the Metalself control unit, specific welding parameters can be established. Once the cycle commences, the orbital torch automatically rotates around the joint, creating a continuous, uniform weld with programmed precision.



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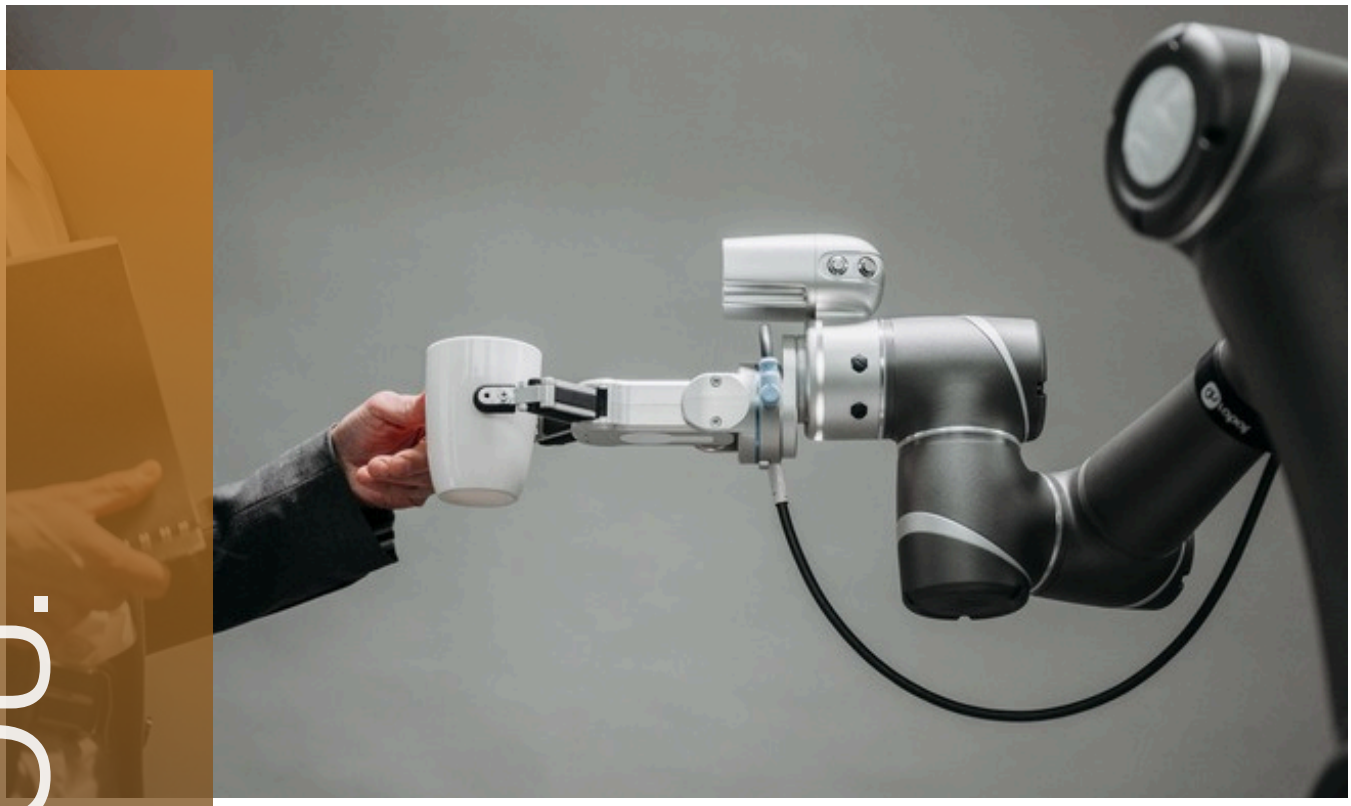


Pliers model	EC-40	EC-80	EC-120	EC-170
Range diametri di saldatura (mm)	da Ø6.35 a Ø38.1	da Ø12.7 a Ø76.2	da Ø19 a Ø114.3	da Ø50.8 a Ø165.2
Spessore max di penetrazione (mm)	≤2.5	≤3	≤3	≤3
Raffreddamento	Acqua	Acqua	Acqua	Acqua
Gas di utilizzo	Argon	Argon	Argon	Argon
Peso della pinza di saldatura (Kg)	3.5	5	6.5	14
Misure della pinza di saldatura	377*129*42	438*155*44	540*195*54	620*350*160

Metalself orbital welders are engineered to provide outstanding versatility, enabling precise and efficient welding of both carbon steel and stainless steel.
Finding application in a diverse array of systems across all industrial sectors, consistently ensuring high-quality and reproducible results, irrespective of the material or specific application.

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THANK YOU.



We are available to address any inquiries you may have and to schedule a complimentary demonstration of our products at your location.

Please reach out to us or our authorized dealers.

MetalSelf is dedicated to delivering superior quality at the most competitive prices in Europe.

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Together, let us
cultivate innovation!