

Streamlined version

METALSELF.COM

YOUR TRUSTED SUPPLIER



Innovation tailored for your
industry

PRODUCT INVENTORY

2025-2026

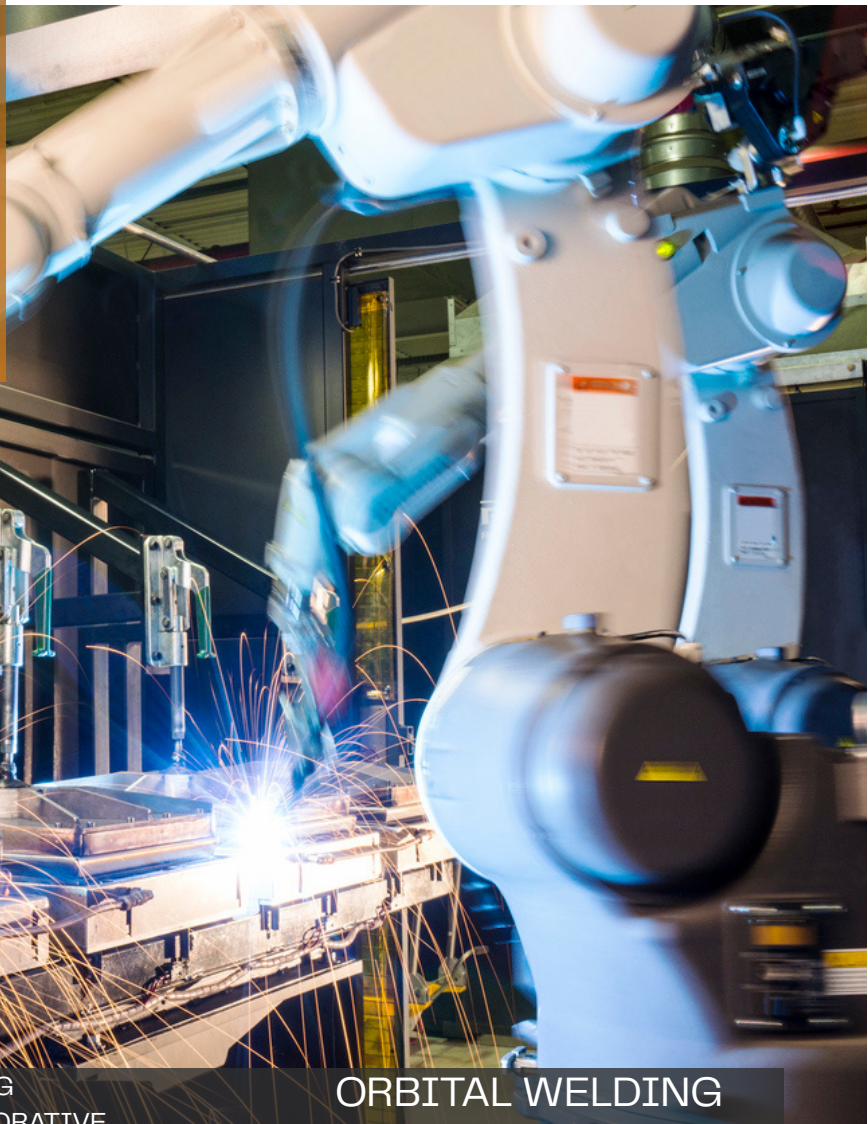
www.metalself.com

TECHNOLOGY

EDITION

2025 – 2026

“THE KEYWORD FOR
GROWTH AND
COMPETITIVENESS
OF YOUR ORGANIZATION”



LASER WELDING MACHINES

Laser welding systems operate by focusing a concentrated beam of light to melt metals, thereby producing results that surpass those of conventional methods. More precise, quicker, cleaner, more resilient.

WELDING COLLABORATIVE ROBOT

Collaborative welding robots are engineered to operate in harmony with humans, automating the welding process both safely and efficiently. They integrate robotic precision with human adaptability, thereby enhancing productivity.

ORBITAL WELDING MACHINES

Orbital welding automates TIG pipe welding by rotating a torch around the joint, resulting in precise, consistent, and repeatable welds, frequently eliminating the necessity for a skilled welder in this particular application.

METALSELFCOM



YOUR RELIABLE SUPPLIER



AUTOMATED EXCELLENCE IN
PLUMBING SOLUTIONS

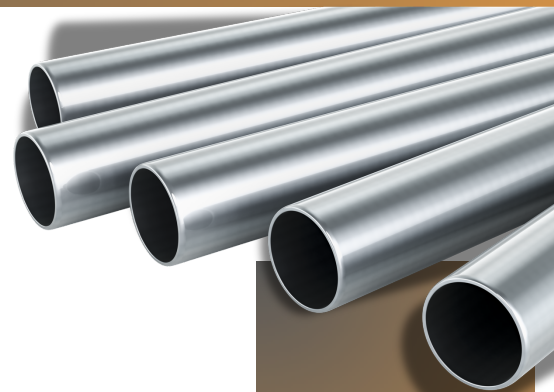
ORBITAL WELDING MACHINE

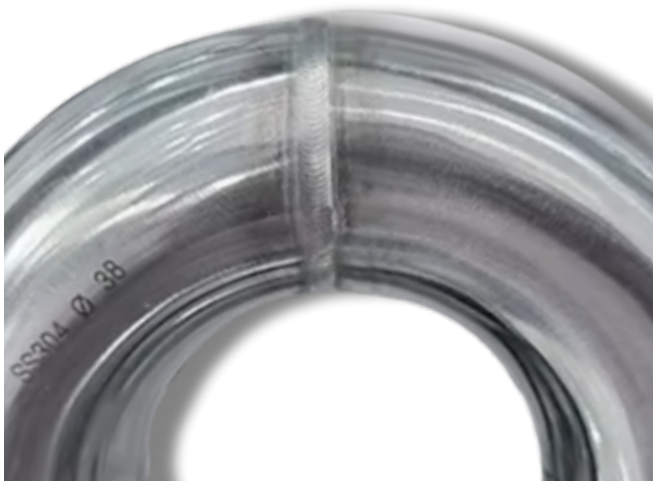


Perfect Systems, Optimized Costs: The Metalself Orbital Welder, Your New Expert in Welding.

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 preceding one, guaranteeing uniform quality even in substantial production volumes.

The primary advantages of MetalSelf orbital welding are as follows:



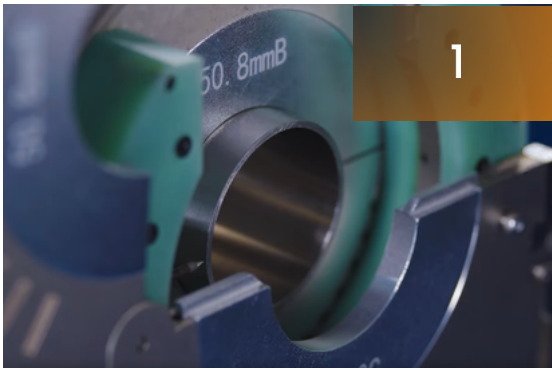
3 Efficiency and Productivity:

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

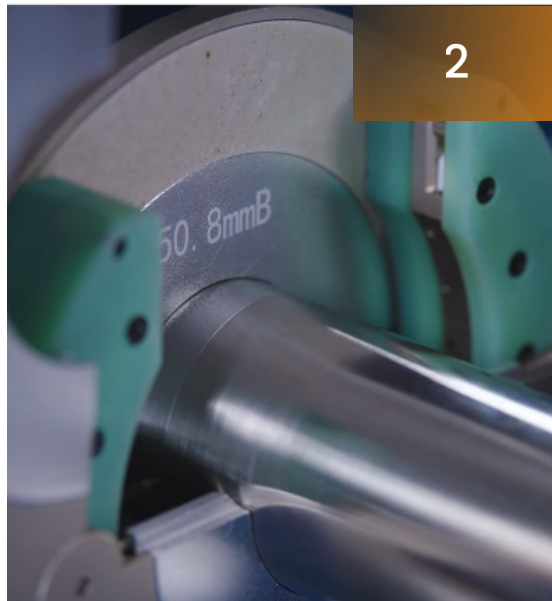


4 Process Reliability:

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 held within the Metalself orbital clamp, guaranteeing optimal alignment from the outset.

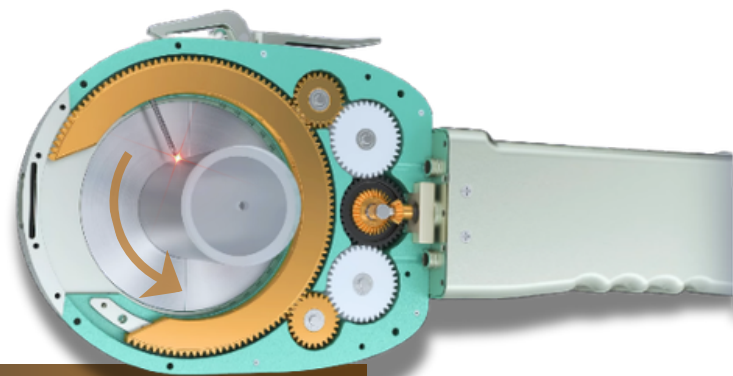


Aligned Coupling: The second end of the tube is meticulously brought into alignment with the first, preparing the joint for welding within the operational area of the orbital clamp.

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

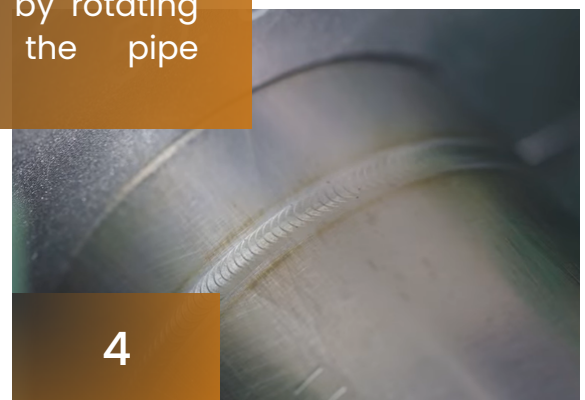


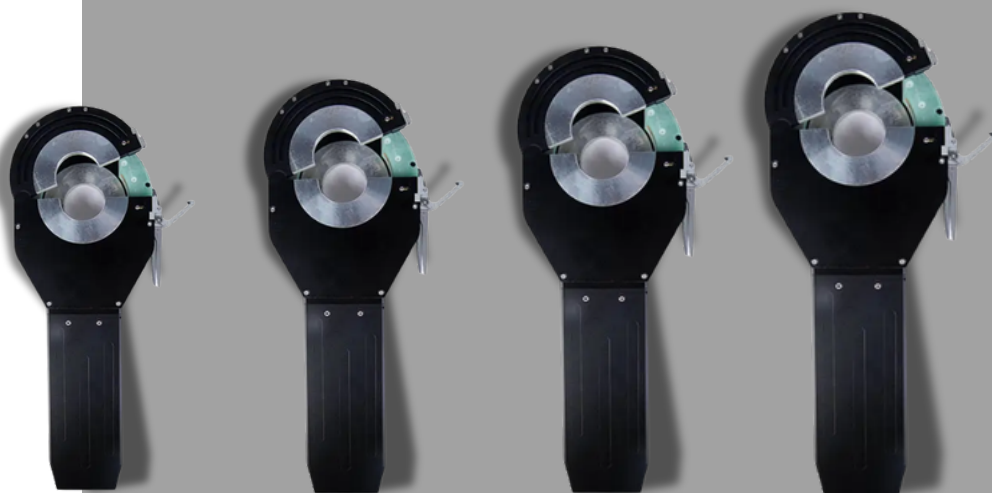
Secure Clamping: The orbital clamp flange is securely closed and locked.



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

Automatic Welding: Utilizing 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.





Pliers model

EC-40

EC-80

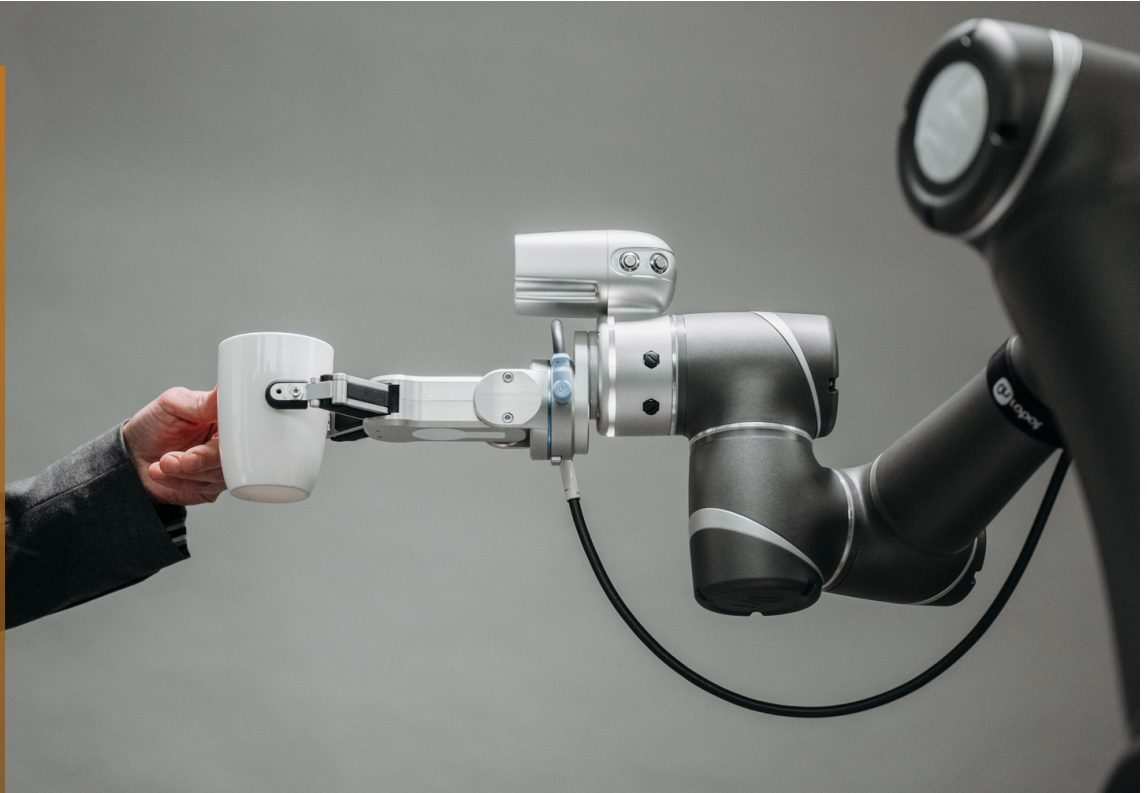
EC-120

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 delivering high-quality and repeatable results, irrespective of the material or specific application.

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!