SITEC

Weld to perform

EN

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SiTEC
Weld to perform

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SITEC
Weld to perform

THE COMPANY

Creative innovation

Founded in the 1990s, today the company operates internationally in the field of welding automation systems and owes its growing success to the creative innovation achieved through constant commitment to engineering.

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RESEARCH AND TECHNOLOGY

Optimal solutions for every type of product

Thanks to the in-depth experience we have gained over the years with different welding processes, we offer our customers close cooperation in order to achieve the optimal solution for the production of each type of product.

We realise production lines for various sectors of industry, we start from the sheet metal and arrive at the finished product using the appropriate welding process (MIG, TIG, Plasma, Laser, Resistance) and the necessary sheet metal deformation processes. Depending on the requirements, the solutions are more or less automated but always with state-of-the-art technology and extended flexibility.

The teams of specialised technicians, who are constantly updated on technological developments, guarantee a high standard of service and the implementation of the most advanced technologies in the design and construction of machines and systems that allow the user industry to produce with cutting-edge technology and according to a logic of broad flexibility.

SITEC INSTALLATIONS

Speed and precision in welding

SITEC machines are fundamental tools for guaranteeing fast and precise welding operations on different types of joints. They are aimed at an increasingly demanding market that is sensitive to efficiency, the search for innovative solutions and fine quality detail.

Depending on requirements, solutions include machines, systems up to production lines ranging from the necessary sheet metal forming processes to the finished product using the appropriate welding process (MIG-TIG-Plasma-Laser-Resistance).

TECHNOLOGICAL SYSTEMS

Automatic, robotic systems and welding equipment

We design and build automatic, robotic systems and welding equipment, aimed at an increasingly demanding market that is sensitive to efficiency, the search for innovative solutions and fine quality detail.

We provide finished solutions in a wide variety of industries, where automation solutions, special machines and handling systems are generally required.

For some years now we have extended our production to robotic machines with high flexibility of use and small series production.

Thanks to their innovative design and advanced welding technologies, our solutions offer numerous advantages for companies operating in various sectors.

HOME APPLIANCES
HVAC
ENERGY
LOGISTICS & FURNITURE
SAFETY
AUTOMOTIVE
GENERAL INDUSTRIES
CONSTRUCTION
GAS & PETROL INDUSTRY
RAILWAY & NAVAL INDUSTRY
CHEMICAL & FOOD INDUSTRY

MAIN ADVANTAGES OF OUR SOLUTIONS

HIGH EFFICIECY AND PRODUCTIVITY

Continuous welding on different types of joints, reducing working time and increasing productivity. The robust, straightforward design and the ability to weld over long lengths allow large volumes of work to be completed in a short time, optimisingproduction operations.

WELDING PRECISION AND SPEED

Thanks to advanced technologies, welding quality and precision are constant throughout the joint. Automatic speed and temperature management allows perfect joints, minimising defects, improving the reliability of the final product and reducing cycle times.

VERSATILITY AND ADAPTABILITY

Processing of different types of materials, thicknesses and formats. Whether steel, stainless steel or other metals, the machines can be easily adapted to specific welding requirements, guaranteeing excellent results on a wide range of applications.

REDUCTION OF OPERATING COSTS

Thanks to their high energy efficiency and reduced processing times, the machines contribute to a significant reduction in operating costs. Their reliability and robustness reduce the need for frequent maintenance, increasing the return on investment in the long run.

IMPROVED SECURITY

Ergonomic machine design and integrated safety devices ensure a safe and comfortable working environment.

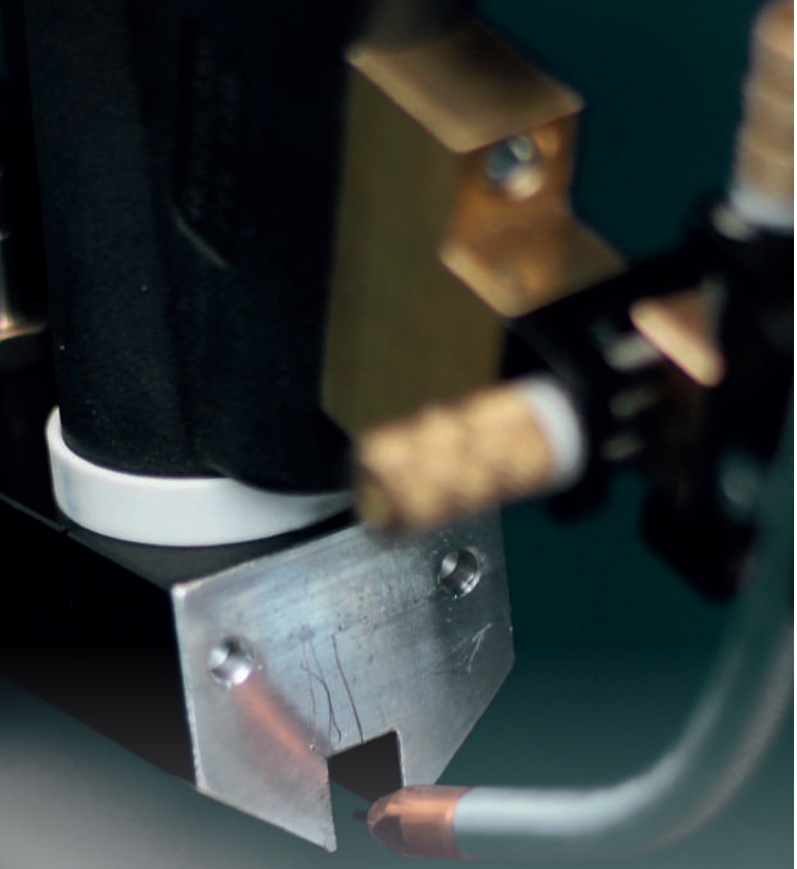
EASE OF USE

Automated control systems and a digital interface make the handling of operations easier, reducing the risk of errors and increasing the overall efficiency of the welding process, even for operators with limited experience.

NUMERICAL CONTROL WITH HMI

For managing the welding axis, manual cycles and automatic cycles. Programme storage and quick recall. USB, WI-FI and OPC UA communication protocol make these machines immediately integrable into 4.0 systems and allow remote management for immediate control and intervention.





LONGITUDINAL SEAM WELDING

Longitudinal seam welding machines are particularly used in industries where continuous and uniform welds are required on long parts, such as pipes, tanks and other metal structures, and use different welding technologies depending on the material and production specifications.

They are characterised by their high productivity, precision, uniformity and ability to transfer joint strength even under high mechanical stress and pressure. They are suitable for welding sheets and vials of different sizes and thicknesses.

These solutions are used in the pipe and duct industry, the HVAC sector, the automotive sector, the infrastructure sector, the energy sector and many other fields.

GENERAL INDUSTRY

Metalworking, Piping

HOME APPLIANCES

Washing Machines,
Dryers, Dishwashers

HVAC

Boiler, Heat Exchangers, Expansion Vessels,
Tanks, Pressure Vessels, Flue Systems,
Fire Extinguishers

ENERGY

Heat Exchangers, Pumps

AUTOMOTIVE

Fuel Tanks

SiTEC

BSL

LONGITUDINAL SEAM WELDING MACHINES



Our series of CNC-controlled clamping benches for longitudinal seam welding of plates and sheets is characterised by a wide variety of solutions and applications, offering uncompromising versatility to meet all production requirements.

Support and locking system

- Holder with embedded high-performance chrome/zirconium copper bar, designed to withstand wear and high temperatures
- Integrated cooling system for the copper bar
- Special bronze alloy pressers for secure and precise workpiece clamping
- Pneumatic front and rear locking system for quick and safe operation
- Pneumatic linear centring device for accurate joint positioning

Precision Mechanics

- Linear motion on high-precision hardened and ground guides
- Sliding system with ball circulation for smooth and precise movements
- Professional torch carriage with vertical pneumatic release and manual cross slide for precise and accurate positioning
- Optimised design for maximum stability during welding

Fully Customizable System 100%

Sitec welding systems are designed upon customer request according to specific production requirements.

Control and security

Advanced numerical control for consistent and repeatable results:

- Precise management of the welding axis
- Customisable manual and automatic cycles
- Extended memory for different work programmes

COMPLIANCE

Certification	Regulations	Machinery Directive
CE	EN-60204-1	Compliant

WELDING TECHNOLOGIES



BSL STD

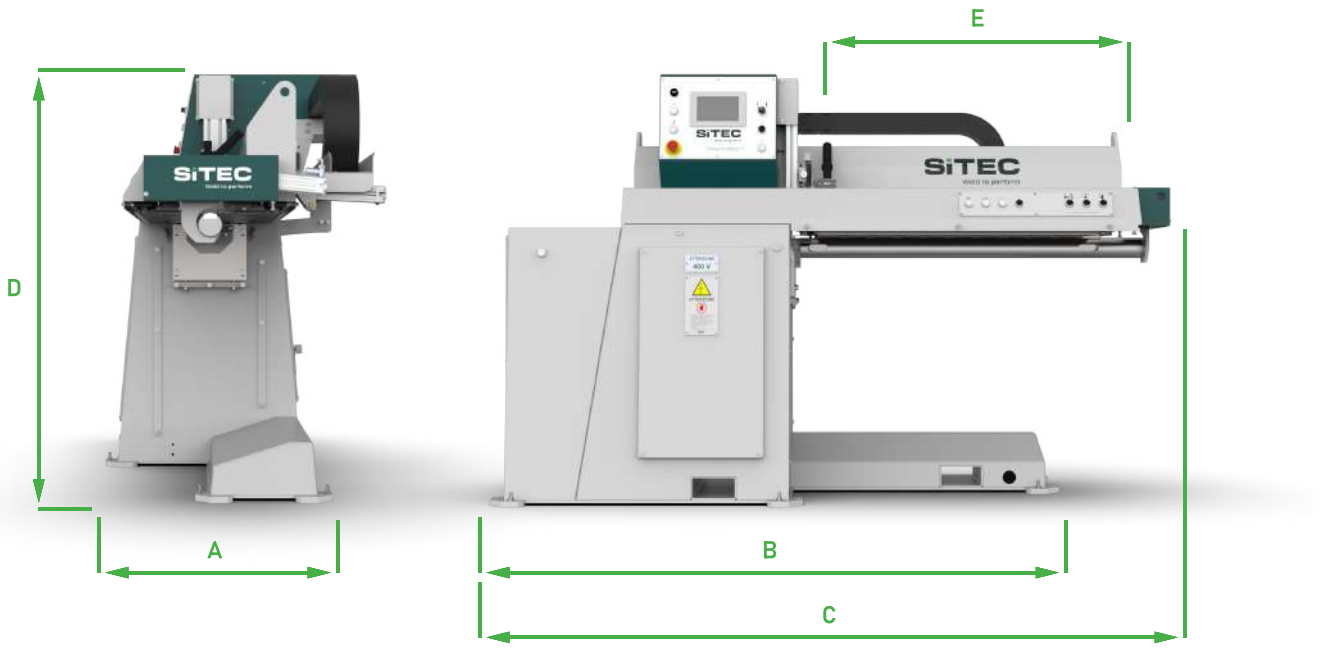
Standard longitudinal seam welding machine

The BSL STANDARD series machines are intended for the numerically controlled longitudinal seam welding of plates and sheets with thicknesses from 0.5 to 10 mm and lengths from 100 mm to 5000 mm.

They are equipped with the copper support rod at a fixed height from the ground and can have a roller lift (optional) to facilitate pre-closing and loading/unloading of workpieces.

Thickness	Diameter	Length
0.5 - 10mm	80 - 1200mm	100 - 5000mm

MODELS



BSL STD	A	B	C	D	E
BSL 600	1000	1750	2000	1550	600
BSL 1000	1100	2050	2700	1550	1000
BSL 1500	1100	2300	3500	1900	1500
BSL 2000	1200	3700	4900	1900	2000
BSL 3000	2200	4500	6500	2000	3000
BSL 4000	2200	4500	7500	2000	4000
BSL 5000	2200	4500	8500	2200	5000

BSL 1000

Standard longitudinal seam welding machine

Thickness	Diameter	Length
0.5 - 5mm	80 - 1000mm	100 - 1000mm



BSL 2000

Standard longitudinal seam welding machine

Thickness	Diameter	Length
0.5 - 2mm	160 - 400mm	200 - 2000mm



BSL EL

Elevating longitudinal seam welding machine

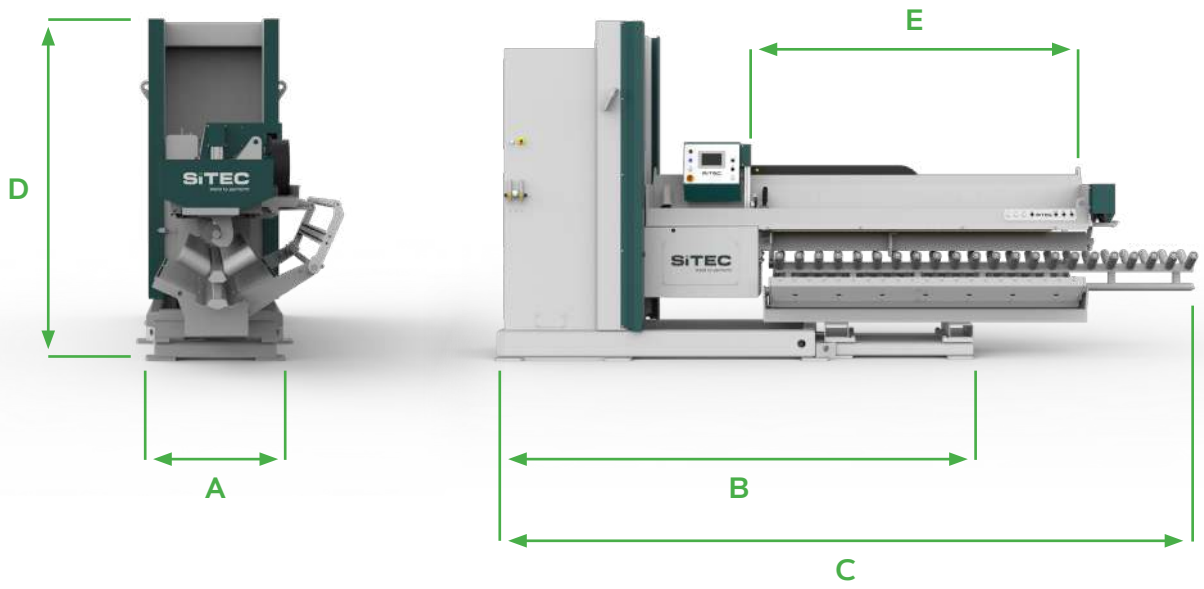
BSL ELEVATING series machines allow the joining of parts with thicknesses from 0.5 to 10 mm and lengths ranging from 1000 to 5000 mm.

They are equipped with the vertical movement of the copper support rod and the beam that supports the external pressers at a variable height from the ground to adapt the system to the diameter of the ferrule.

At the bottom there is a roller conveyor to facilitate joint closing and piece loading/unloading.

Thickness	Diameter	Length
0.5 - 10mm	80 - 2500mm	1000 - 5000mm

MODELS



BSL EL	A	B	C	D	E
BSL EL 1000	1500	3000	3900	2200	1000
BSL EL 1500	1800	3500	4400	2700	1500
BSL EL 2000	2100	5100	6000	3700	2000
BSL EL 3000	2200	4500	6500	3700	3000
BSL EL 4000	2200	4500	7500	3700	4000
BSL EL 5000	2400	4500	8500	3700	5000



BSL EL 1500

Elevating longitudinal seam welding machine

Thickness	Diameter	Length
0.5 - 5mm	120 - 1500mm	100 - 1500mm



BSL EL 5000

Elevating longitudinal seam welding machine

Thickness	Diameter	Length
3 - 10mm	400 - 2000mm	100 - 5000mm



BSLI

Longitudinal seam welding machine for internal and flat sheets

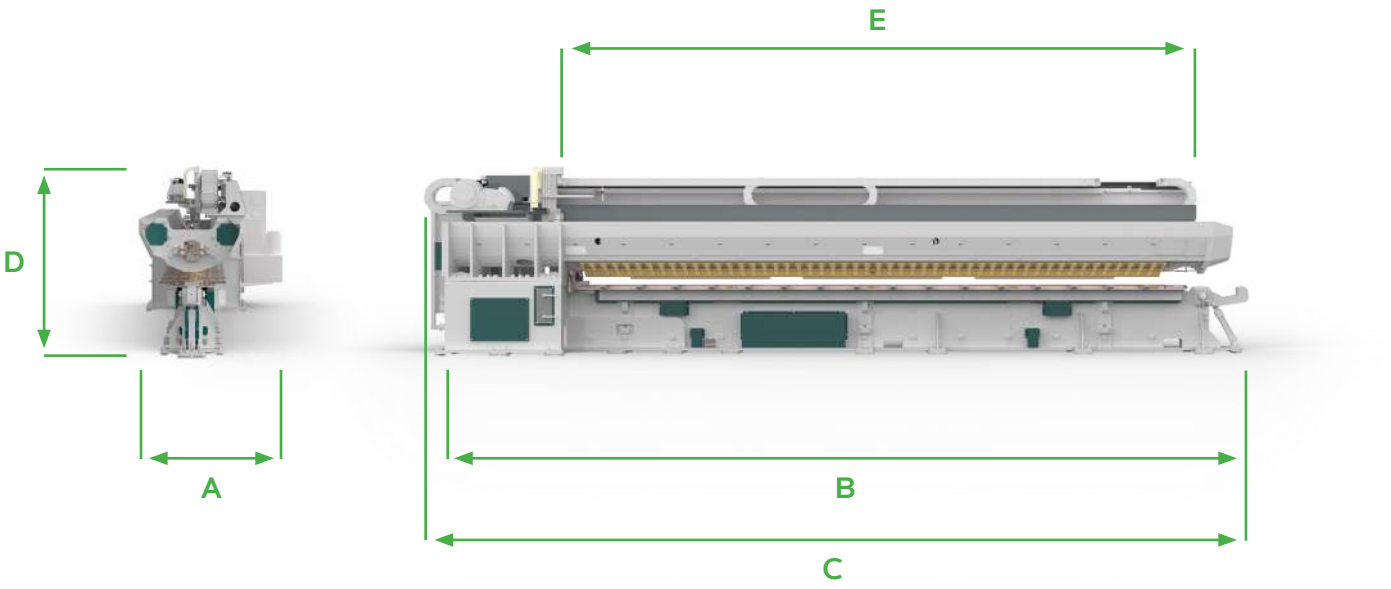
The machines of the BSL INTERNAL series are suitable for longitudinal seam welding of flat sheets or the interior of large-sized cylinders where the main beam and torch carriage is located inside the cylinder itself.

They allow the joining of parts with thicknesses from 0.5 to 15 mm, lengths ranging from 2000 to 8000 mm and diameters of 1350 mm.

They can be supplied with oil-dynamic longitudinal centring device and oil-dynamically adjustable side sheet support brackets.

Thickness	Diameter	Length
2 - 15mm	1350 - ∞mm	2000 - 8000mm

MODELS



BSLI	A	B	C	D	E
BSLI 2000	2000	4500	5500	2100	2000
BSLI 3000	2000	5500	6500	2100	3000
BSLI 4000	2000	6500	7500	2100	4000
BSLI 5000	2000	7500	8500	2100	5000
BSLI 6000	2000	8500	9500	2100	6000
BSLI 7000	2300	9500	10500	2100	7000
BSLI 8000	2300	10500	11500	2100	8000



BSLI 6000

Longitudinal seam welding machine for internal and flat sheets

Thickness	Diameter	Length
0.5 - 10mm	1350mm - infinity	100 - 6000mm



BSLI 8000

Longitudinal seam welding machine for internal and flat sheets

Thickness	Diameter	Length
0.5 - 10mm	1600mm - infinity	30 - 8000mm

BSLV

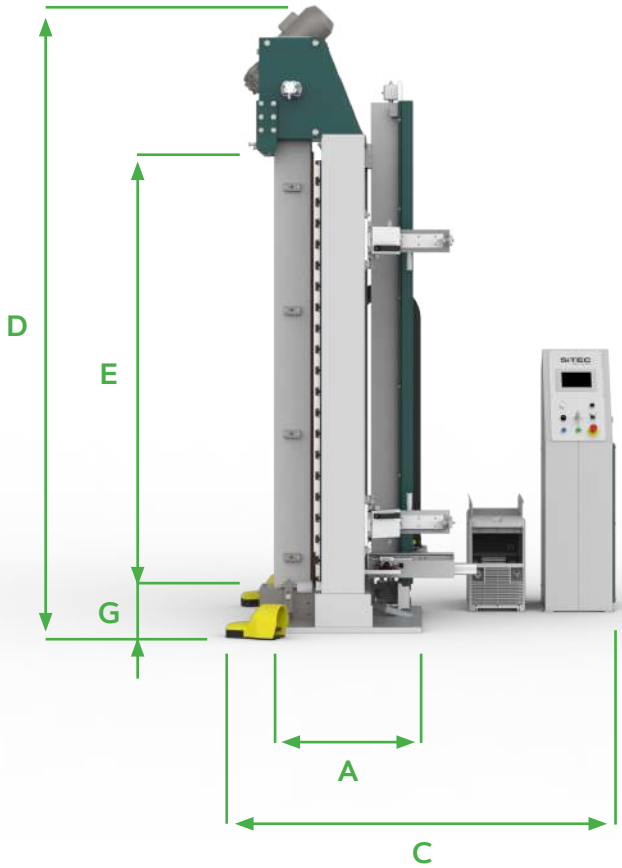
Vertical longitudinal seam welding machine

BSL VERTICAL series machines are suitable for the vertical welding of large cylinders, tubes or pipes in which the copper bar support is vertically released.

They allow the joining of parts with thicknesses from 0.5 to 6 mm, lengths ranging from 1000 to 2000 mm. They can be supplied with a circular support plate.

Thickness	Diameter	Length
2 - 6mm	500 - ∞mm	100 - 2000mm

MODELS





BSLV	A	B	C	D	E	F	G
BSLV 1500	1300	1300	2000	1400	1500	4000	250
BSLV 2000	1500	1300	2000	2900	2000	5000	250

BSLV 1500

Vertical longitudinal seam welding machine

Thickness	Diameter	Length
1 - 3mm	500mm - infinity	100 - 1500mm



SPECIAL VERSIONS

BSL AUTO

Automatic longitudinal seam welding machine

The BSL AUTOMATIC series is suitable for welding cylinders, tubes or pipes with an automatic joint sealing process.

There is a conforming shuttle, which by means of a pneumatic or motorised movement closes the part, aligning the joint and achieving excellent repeatability in the production of large batches. The operator only performs loading and unloading operations.

They allow the joining of parts with thicknesses from 0.5 to 2 mm and lengths ranging from 200 to 2000 mm.



BSL LASER

Longitudinal seam laser welding machine

The BSL LASER series for longitudinal seam welding of flat sheets, cylinders, tubes or pipes is designed to meet the most stringent requirements of modern industry, guaranteeing superior results in terms of quality, speed and repeatability even on very light materials.

Optimised energy consumption and thus low running costs are further advantages that these machines bring.



SPECIAL VERSIONS



BSL LPT

Automatic cylinders, tubes or pipes production line

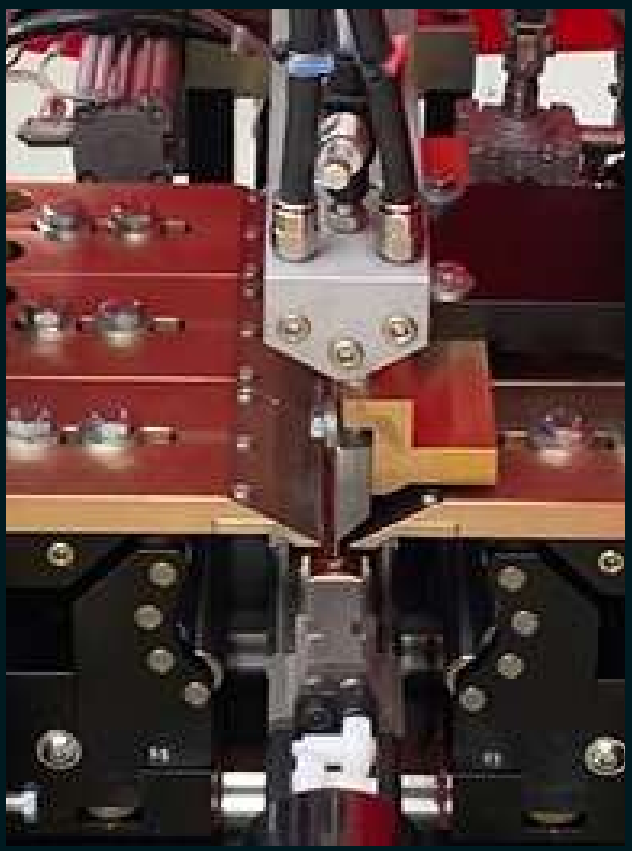
This version consists of an automatic production line that starts from coil or pre-cut metal sheets and allows the production of the welded cylinders, tubes or pipes with lengths from 200 to 1600mm.

The automatic bending and cylinder welding line includes automatic bending machine set-up, bended workpiece pick-up and insertion into the welding system where calibration, cylinder buttjoint alignment and longitudinal seam welding take place.

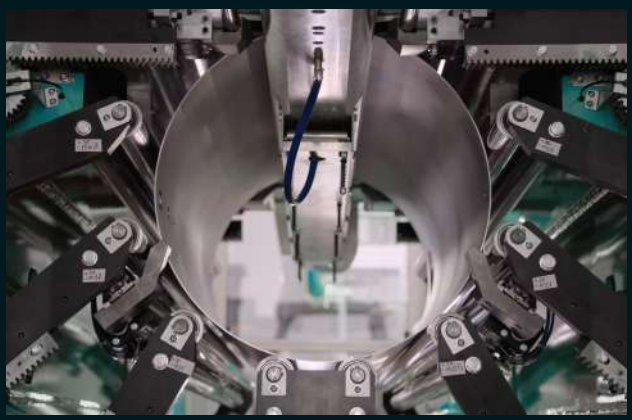
Once the welding phase is complete, the workpiece is unloaded onto a special slide while the next bended workpiece is placed on the welding machine to minimise downtime and increase productivity.

This type of automation represents the evolution of the BSL series and is equipped with a shuttle for loading and unloading parts with an automatic welding joint alignment and closing system.

The numerical control ensures optimal management of all machine set-up operations.







BSL ACCESSORIES

CODE	DESCRIPTION	BSL	BSLEL	BSLI	BSLV
RIM	Movable bottom roller conveyor, mounted on slides and recirculating ball bearing guides, adjustable in height via hydraulic cylinder. Insertion cycle, support on roller conveyor and pre-closing of vials managed by N.C.	✓			
RRD	Roller conveyor reduction to work with smaller diameters	✓	✓		
DBO	Lowering bar support for easy unloading of the welded part, complete with hydraulic power pack and cylinder solenoid valves	✓	✓		
SAX	Stainless steel non-magnetic bar support	✓	✓		✓
RFA	Fixed front roller conveyor to facilitate the insertion and support of the cylinder, pipe or tube		✓		
RU4	Four roller systems, manually movable on the pre-closing roller conveyor, pneumatically lifted for cylinder, pipe or tube rotation during loading		✓		
SLO	Side pusher with hydraulic movement via hand-operated cylinder		✓		
SFL	Footboard complete with ladder to facilitate the welding operation for diameters above 1000 mm		✓		
STI	Lifting system for the lower beam supporting the copper bar, complete with hydraulic cylinders and inclined plane system. A vertical displacement of 50 mm is provided, with a maximum opening of 65 mm			✓	
CSO	Hydraulically operated special type centring device for aligning the two joints			✓	✓
SFL	Fixed lateral support for flat sheet metal			✓	
ETS	Extension of the slide beam to support two welding systems simultaneously			✓	
SXC	Fixed stainless steel supports to facilitate tube loading			✓	
TSP	Slide beam with 'Heavy Series' pressers	✓	✓	✓	✓
CR	Cooling unit	✓	✓	✓	✓
GRF	Cooling unit	✓	✓	✓	✓
AFF	NC-controlled cold wire feeder	✓	✓	✓	✓

BSL ACCESSORIES

CODE	DESCRIPTION	BSL	BSLEL	BSLI	BSLV
BRP	Flat copper bar	✓	✓	✓	✓
BRR	Radial copper bar	✓	✓	✓	✓
BRG	Copper bar with gas	✓	✓	✓	✓
BXP	Flat stainless steel bar	✓	✓	✓	✓
BXR	Radial stainless steel bar	✓	✓	✓	✓
BXG	Stainless steel bar with gas	✓	✓	✓	✓
PX	Stainless steel pressors	✓	✓	✓	✓
SPG	Upper protection shoe with gas protection	✓	✓	✓	✓
IS	Welder interconnection	✓	✓	✓	✓
CAF	Fume extraction hood	✓	✓	✓	✓
ACV	CAAT sensor for arc voltage control	✓	✓	✓	✓
SLC	Motorised slides	✓	✓	✓	✓
OSC	Numerically controlled linear oscillator	✓	✓	✓	✓
KTAS	Camera kit for viewing joint before welding	✓	✓	✓	✓
KTMTP	Camera kit for MIG-TIG-PLASMA	✓	✓	✓	✓
IKT	Camera Kit Installation	✓	✓	✓	✓
REC	Fences	✓	✓	✓	✓



CORNER SEAM WELDING

The corner seam welding machines of the SVA and SVAP series are equipment designed to perform high-quality welds, without the need for additional supports, on joints welding two metal surfaces at an angle of 90° or other width, such as plates, pipes or other components.

The vertical welding process facilitates the control of filler material flow and fusion, guaranteeing maximum precision of result. The level of automation and precision of these machines help minimise the use of filler material, reducing waste and operating costs.

Machines for vertical seam welding of corners can work at different angles and material thicknesses, thus adapting to a wide range of applications, both for light work (SVA) and for heavier components (SVAP).

Machines for vertical seam welding of corners offer a precise, efficient and versatile solution for seam welding corner joints in a wide range of industries bringing higher productivity, high quality welds and reduced errors compared to manual welding.

We see an increasing application of these solutions in the carpentry, naval automotive, energy and chemical sectors, where strong, aesthetically well-made and durable joints are essential.

GENERAL INDUSTRY

Metal structures, frames, scaffolding, steel components such as gates, fences, worktops

HOME APPLIANCES

Cooktops, sinks, drawers, range hoods

ENERGY

Electrical panels, cabinets

LOGISTIC & FURNITURE

Steel structures and shelves

SAFETY

Protective nets

AUTOMOTIVE

Structural components for vehicles, frames and bodywork

SiTEC

SVA

CORNER SEAM WELDING MACHINES



The seam corner welding machines of the SVA and SVAP series are excellent tools for joining corners on kitchen tops, stainless steel, iron or aluminium sheet metal in thicknesses from 0.6 to 1.2 mm.

They consist of a workpiece support bench, an internal pad and external clamping of the joint to be welded, and a vertical welding slide with torch support. These machines seam weld corners perpendicular to the work table with a choice of TIG or PLASMA welding.

They are easily suitable, thanks also to the low cost of the equipment, for carrying out small production batches.

All machines are prepared for internal protection against gas emissions and equipped with an internal cooling system.

CNC control systems allow precise control of parameters such as wire feed speed, current intensity and electrode position, ensuring high quality welds.

COMPLIANCE

Certification	Regulations	Machinery Directive
CE	EN-60204-1	Compliant

WELDING TECHNOLOGIES

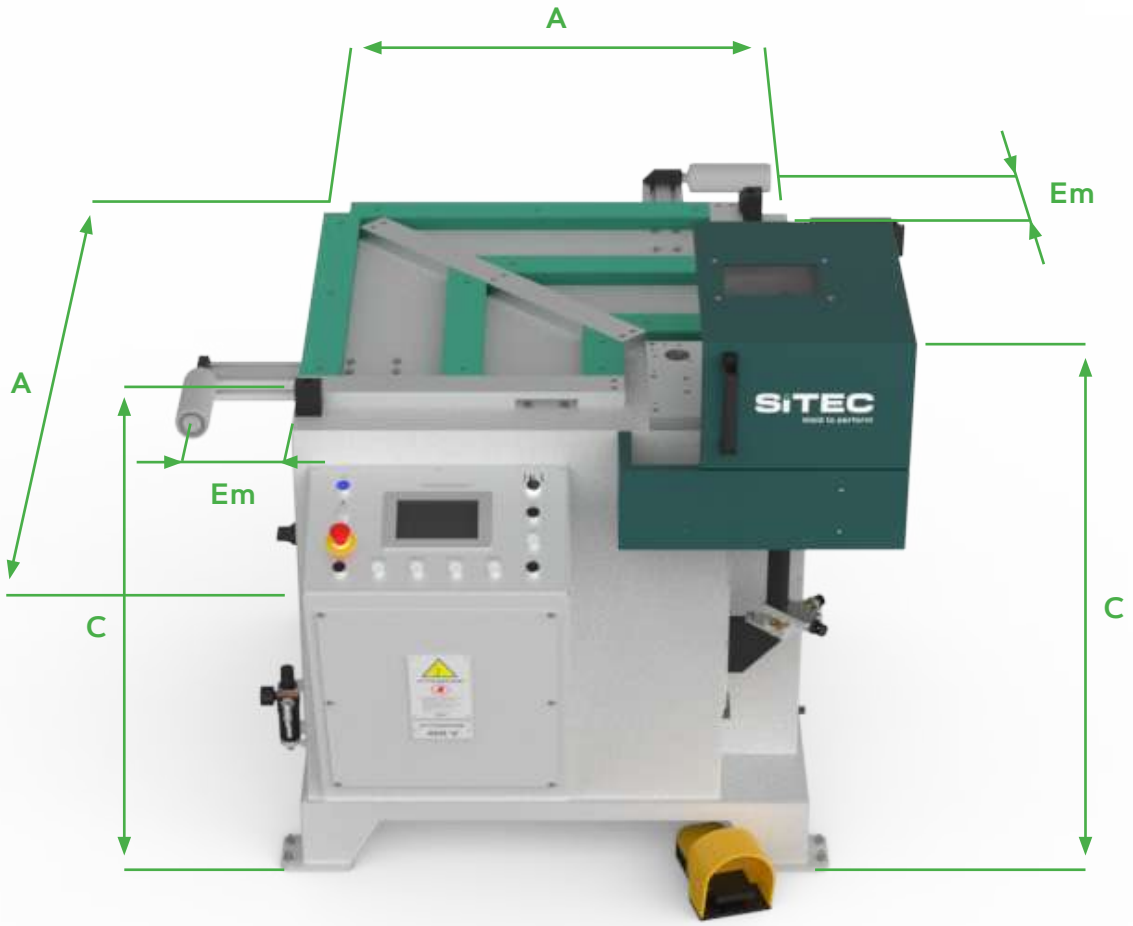


Plasma TIG MIG

Fully Customizable System 100%

Sitec welding systems are designed upon customer request according to specific production requirements.

MODELS



SVA	A	B	C	D	Em	Q	Co	AC	P	Dp
SVA	1246	1367	1022	1254	450	370	120	1	0,37	2400 x 1000
SVAP	1314	1460	1007	1527	450	600	250	2	1	2400 x 1000

Em = Maximum support extension (mm)
Q = Weight (Kg)
Co = Maximum weldable length
AC = Controlled axes
P = Motor power (kW)
Dp = Maximum weldable workpiece size (mm²)

SVA

Corner seam welding machine for light work



Machine for corner seam welding performed on kitchen tops, stainless steel, iron or aluminium sheet metal with a thickness of 0.6 to 1.2 mm and a maximum size of 2400x1000 mm² and a maximum welding length of 120 mm. The system consists of a bench for supporting the part, an internal pad and external clamping of the edges to be welded, and a vertical welding slide with torch support. These machines seam weld corners perpendicular to the work table with a choice of TIG or PLASMA welding. They are easily suitable, thanks also to the low cost of the equipment, for carrying out small production batches. All machines are prepared for internal protection against gas emission and equipped with an internal cooling system.

SVAP

Corner seam welding machine for heavy components

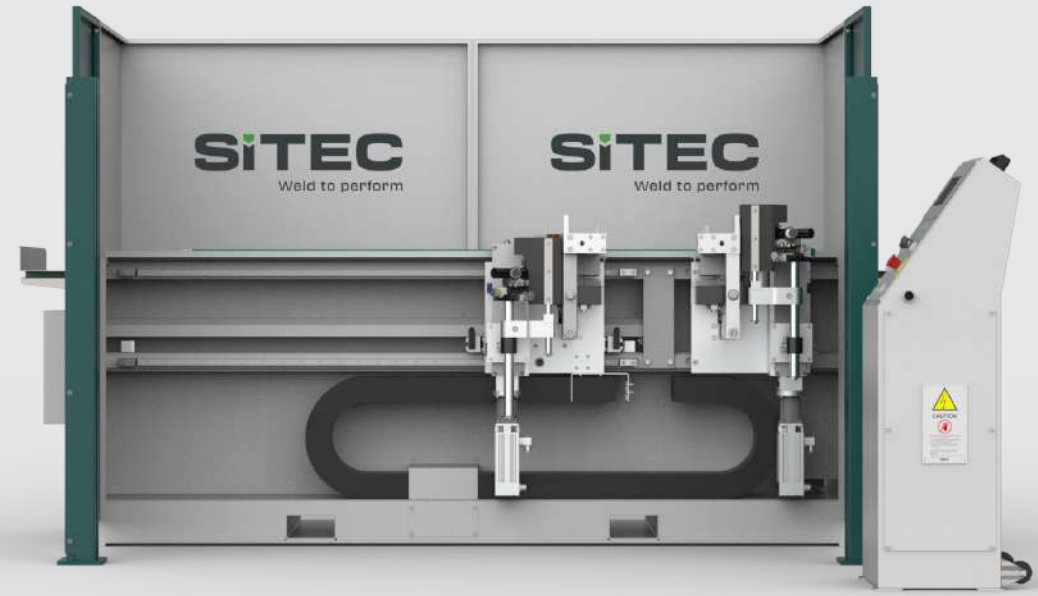


Machine for corner seam welding edges performed on kitchen tops, stainless steel, iron or aluminium sheet metal with a thickness from 0.8 to 2 mm and a maximum size of 2400x1000 mm² and a maximum welding length of 250 mm. The system consists of a bench for supporting the workpiece, an internal pad and external clamping of the edges to be welded, vertical and horizontal welding slide with torch support, enabling welding of slightly radiused corners. Possibility of choosing TIG or PLASMA welding. They are easily suitable, thanks also to the low cost of the equipment, for carrying out small production batches. All machines are prepared for internal protection against gas emission and equipped with an internal cooling system.

SVATWIN

Double corner seam welding machine

Machine for double corner welding of sheet metal boxes using the TIG process. This machine consists of two corner clamping systems, one fixed and one movable depending on the size of the box.





SVA - SVAP ACCESSORIES

CODE	DESCRIPTION	SVA	SVAP
CR	Cooling unit	✓	✓
GRF	Cooling unit	✓	✓
AFF	NC-controlled cold wire feeder	✓	✓
SPG	Upper protection shoe with gas protection	✓	✓
IS	Welder interconnection	✓	✓
CAF	Fume extraction hood	✓	✓
MI8	Normal lower mask H=80mm internal	✓	
MG8	Normal bottom mask H=80mm inside with gas channel	✓	
KMA	Mask kit HEIGHT SUP. 80mm	✓	
MI2	Normal bottom mask H=200mm inside with gas channel		✓
MS2	Normal upper mask H=200mm internal with gas channel		✓
KTAS	Camera kit for viewing joint before welding	✓	✓
KTMTP	Camera kit for MIG-TIG-PLASMA	✓	✓
IKT	Camera Kit Installation	✓	✓
REC	Fences	✓	✓

SiTEC

MC

CARTESIAN MANIPULATORS



The Cartesian manipulators of the MC series are designed to perform welding in automatic mode through the linear axis of the beam.

Their structural robustness, operational precision and ease of use make them the optimal solution for any beam handling depending on the desired welding process set-up.

Available configurations

- Fixed base with anchoring system and floor adjustment.
- Motorised base on variable speed track driven by brushless gear motor.
- Motorised base on fixed base with variable speed driven by brushless gear motor.
- Telescopic version for installation in small spaces.

Structure and handling

- Double-beam column structure for maximum stability and positioning accuracy.
- 350° manual rotation with rapid column locking in any position.
- Vertical lifting system with brushless gearmotor and precision recirculating ball screw mechanism.
- Integrated counterweight for smooth and precise movements.
- High-precision recirculating ball guides and runner blocks.

Fully Customizable System 100%

Sitec welding systems are designed upon customer request according to specific production requirements.

Control system

- Numerical control with integrated PLC.
- Remote touch-screen handheld for control in the welding zone.
- Intuitive and flexible programming of work cycles.
- Data storage and process parameters.
- Real-time monitoring of all parameters.

Technical specifications

- Standard strokes: 1000 mm to 4000 mm (vertical and horizontal).
- Customised dimensions on request.
- Composite steel beam with DC motorisation and encoder.
- Electrical cabinet complying with current regulations.

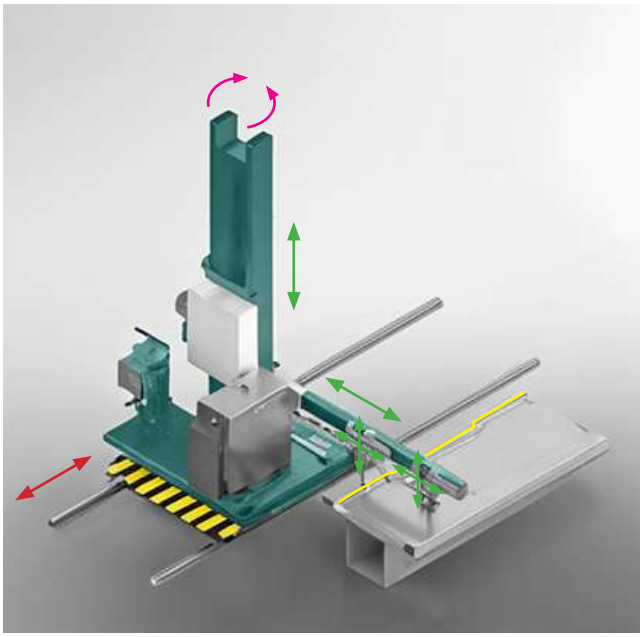
COMPLIANCE

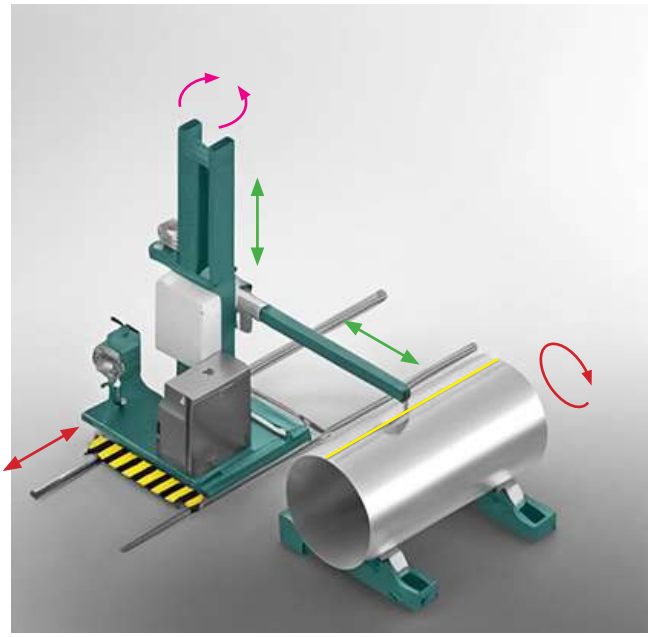
Certification	Regulations	Machinery Directive
CE	EN-60204-1	Compliant

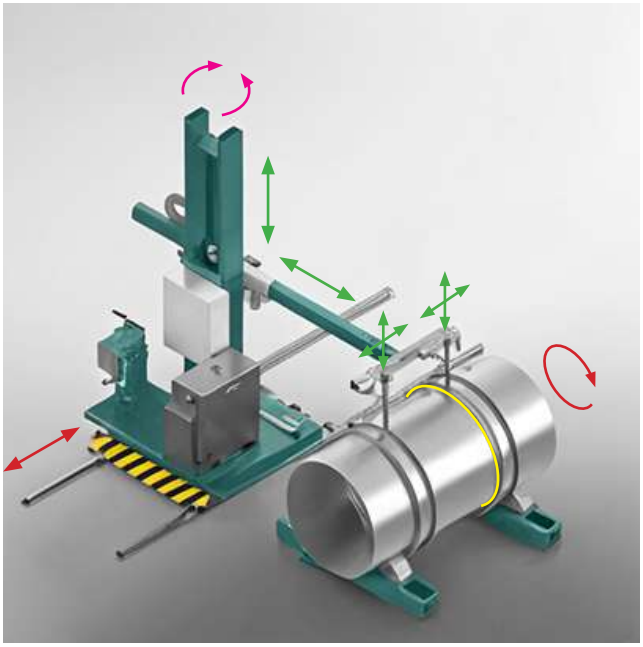
WELDING TECHNOLOGIES

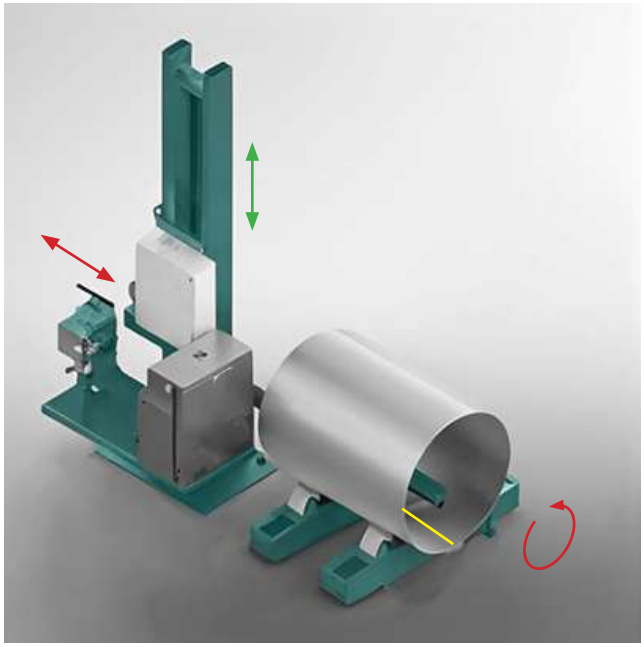


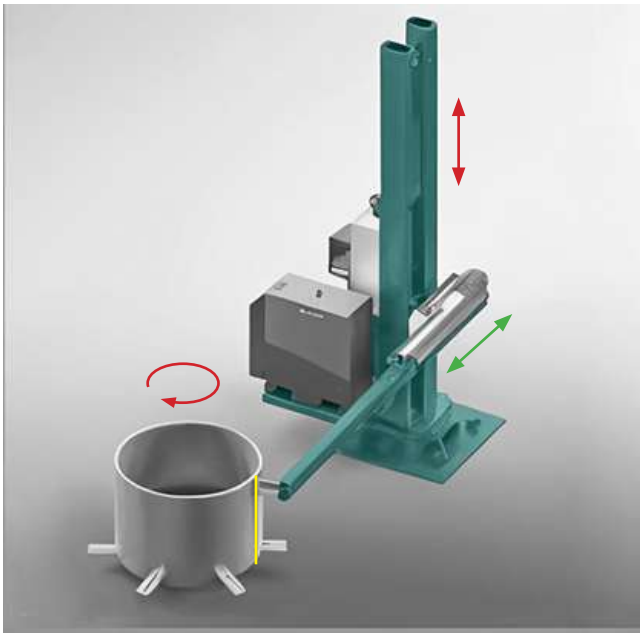
CONFIGURATIONS











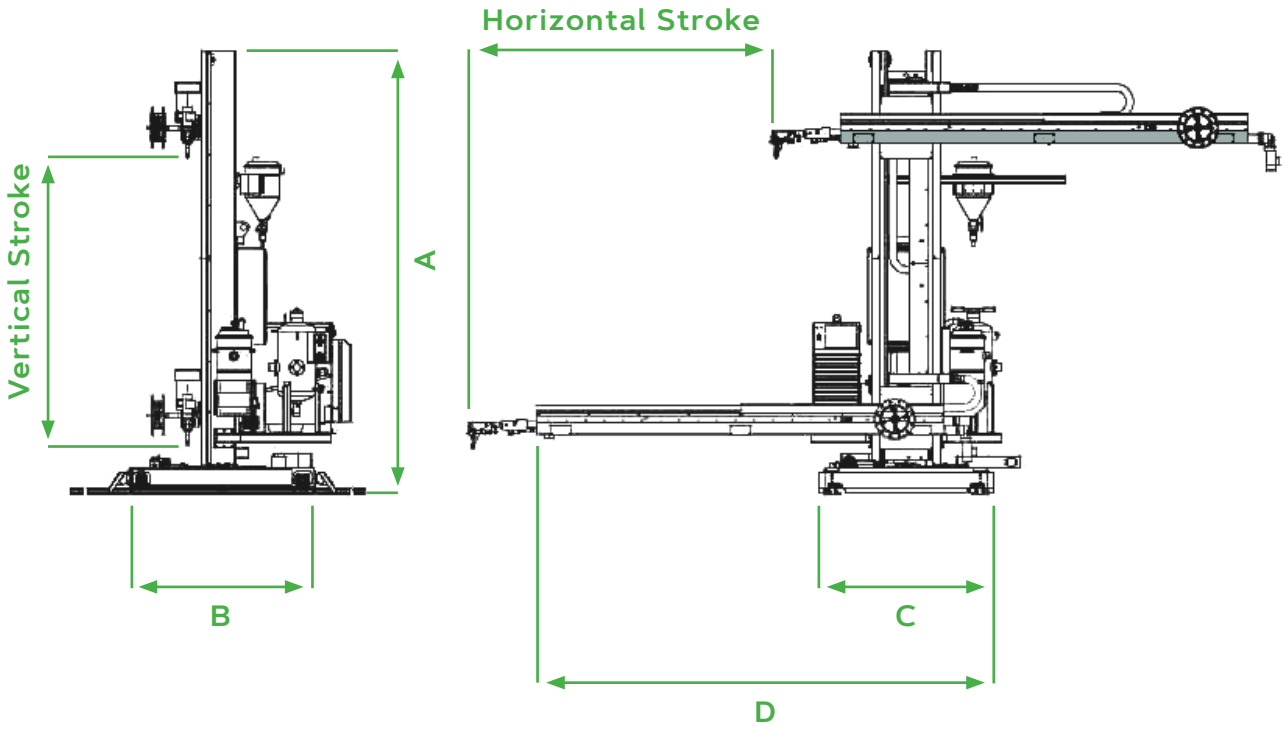
CNC-controlled axis

Welding axis

Weld bead

Motorized axis with manual control

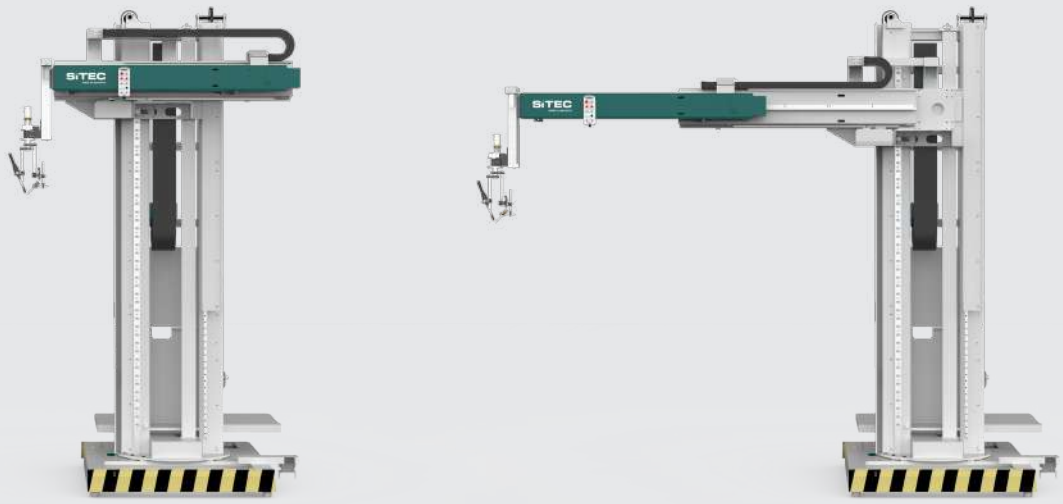
MODELS



MC	Vertical Stroke	Horizontal Stroke	A	B	C	D
MC 1,5x1,5	1500	1500	3080	1300	1200	2800
MC 2x2	2000	2000	3700	1300	1200	3530
MC 3x3	3000	3000	4700	1500	1400	4500
MC 4x4	4000	4000	5700	1600	1600	5760
MC 1,5x1,5 C	1500	1500	3120	1780	1420	3050
MC 2x2 C	2000	2000	3660	1950	1660	3850
MC 3x3 C	3000	3000	4650	1950	1660	4275
MC 4x4 C	4000	4000	5650	2300	1660	6100

MC4X4C - TUFF500

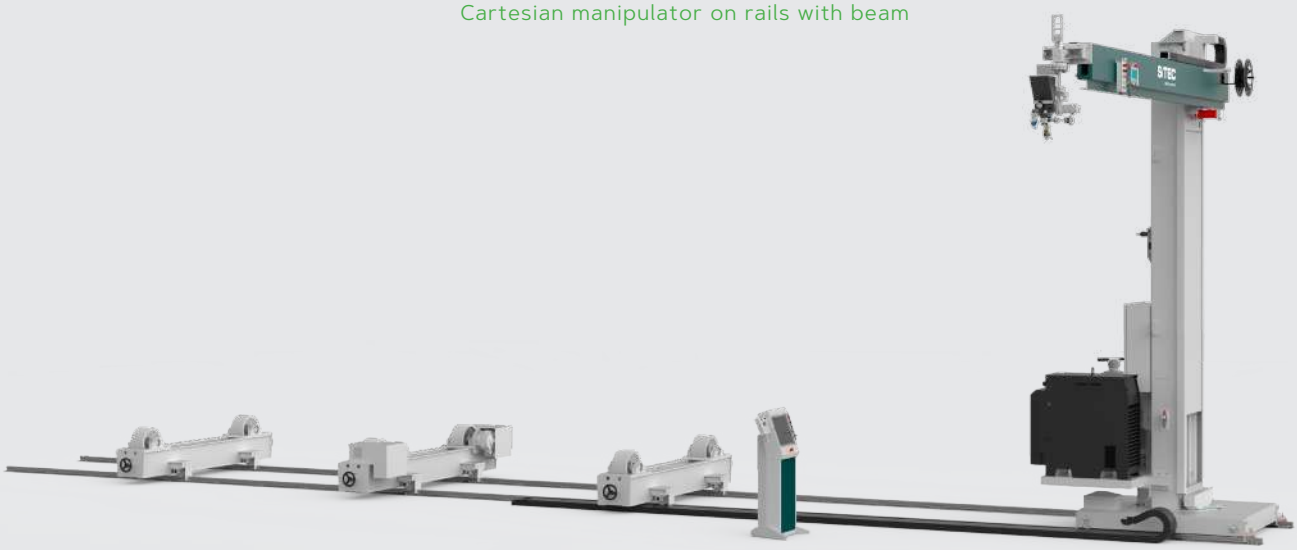
Cartesian manipulator on rails
with double extension and plunging beam



Wheeled manipulator on rails with a double extension beam to reduce space requirements at the rear. The system is equipped with an overhead plunger to allow welding inside profiles with MIG technology. Four-position rotation of the torch with a sensor for welding joint tracking complete the equipment.

MC4X4C

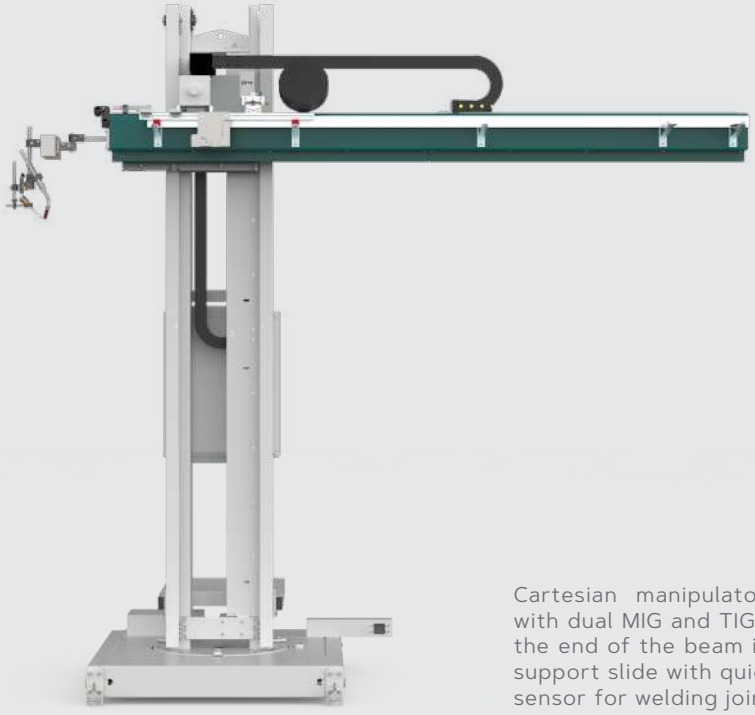
Cartesian manipulator on rails with beam



Trolley-mounted manipulator on rails with double extension beam for space-saving rear area for welding 'C' profiles on plates with Twin Arc submerged arc technology, sensor for welding joint tracking, heated pusher and suction flow for flux management and easy handheld control system.

MC3X3C DUAL-TORCH

Cartesian trolley-mounted manipulator on MIG
and TIG double torch rails



Cartesian manipulator cradled on rails with dual MIG and TIG welding process. At the end of the beam is a motorised torch support slide with quick torch change and sensor for welding joint tracking.

MCTPLSLC2E

Cartesian manipulator with integrated rotary table

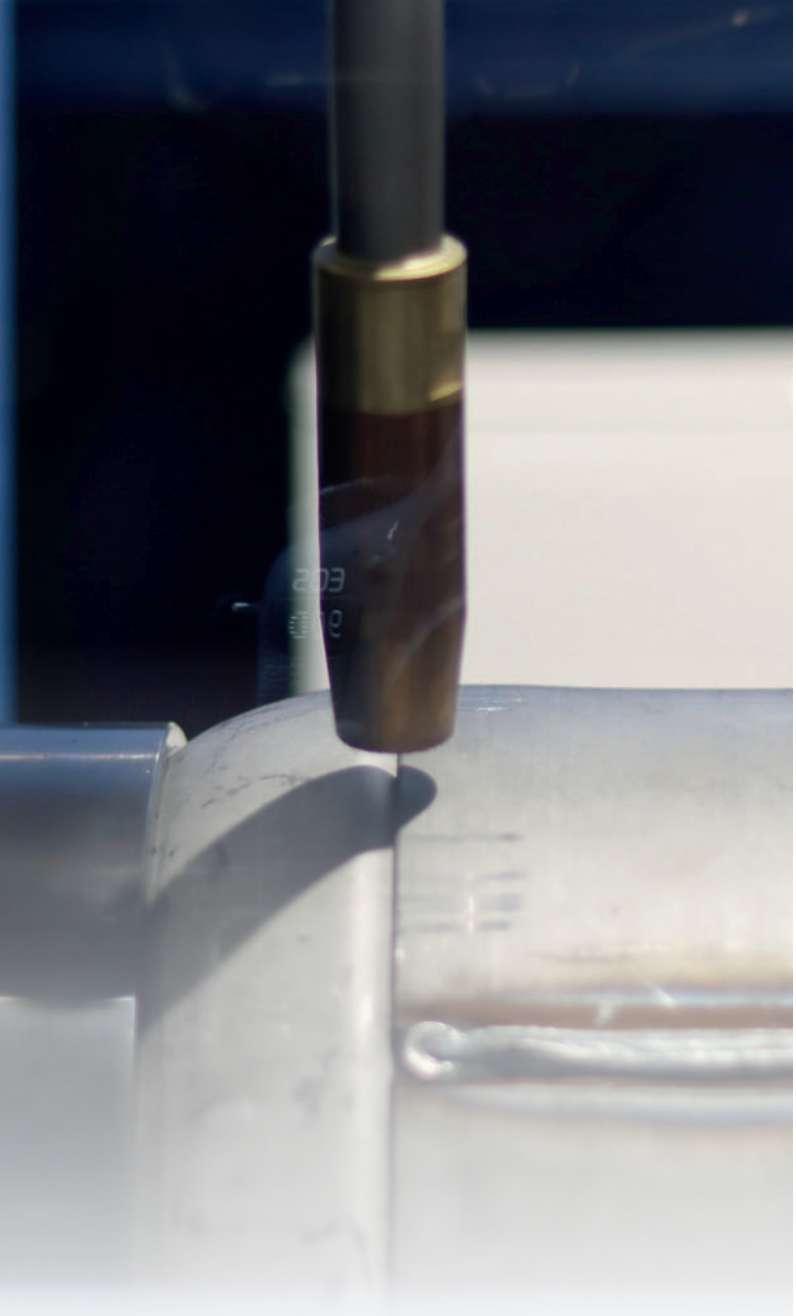


Integrated fixed manipulator with light series rotary table, equipped with a Plasma welding process with wire feed, external brushing unit on manipulator and internal brushing unit on rotary table.

MC ACCESSORIES

CODE	DESCRIPTION	MC
CR	Cooling unit	✓
GRF	Cooling unit	✓
AFF	NC-controlled cold wire feeder	✓
SPG	Upper protection shoe with gas protection	✓
IS	Welder interconnection	✓
CAF	Fume extraction hood	✓
SES	Electronic follower probe	✓
SES2	Second electronic follower probe	✓
PT3	Touch probe tip R=3	✓
PT6	Touch probe tip R=6	✓
PT8	Touch probe tip R=8	✓
PSP	Pendulum welding programme	✓
CBC	Pair of tracks for wheeled version	✓
PSG	Generator support platform	✓
PMA	Additional hand control	✓
PL	Laser pointer	✓

CODE	DESCRIPTION	MC
KRT	Roller-table management kit	✓
RMT	Motorised torch rotation	✓
RMC	Motorised column rotation	✓
SLC	Motorised slides	✓
OSC	Numerically controlled linear oscillator	✓
CAA	CAAT sensor for arc voltage control	✓
KTAS	Camera kit for viewing joint before welding	✓
KTMTP	Camera kit for MIG-TIG-PLASMA	✓
IKT	Camera Kit Installation	✓
AF	Suction Flow	✓
SF98	98 litre flux pusher	✓
SFR98	98 litre heated flux pusher	✓
SMF	Motorised drum unwinder	✓
RFAC	Straightener for A.C.	✓
RFM	Wire straightener for MIG	✓
REC	Fences	✓



CIRCUMFERENTIAL WELDING

Circumferential welding lathes of the TO and PFM series are machines and equipment designed to weld around the circumference of cylindrical or tubular objects, such as pipes, tanks, lids or other round components.

During the process, the workpiece rotates around its own axis and the circumferential welding process allows for perfectly uniform and continuous joints, without interruptions. This is ideal for achieving high quality finishes around the entire perimeter of components of different diameters, depending on the configuration and capabilities of the machine. The speed of execution of these machines reduces machining times, bringing significant efficiency benefits when working on large volumes.

The welds made with these machines are particularly resistant to mechanical stress, making them ideal for applications where the welded joints must withstand high pressures, vibrations or heavy loads.

Numerical controls allow accurate programming of all working parameters for maximum repeatability and quality consistency.

These machines are the best solution for components that require strong, durable and defect-free joints, and are used in sectors ranging from the energy and chemical industries to automotive, shipbuilding and aerospace.

HVAC

Boilers, heat exchangers, expansion vessels, tanks, pressure vessels, flue systems, fire extinguishers

AUTOMOTIVE

Fuel tanks, exhaust pipes, and other cylindrical components

GAS & PETROL INDUSTRY

Pipelines for gas and oil transportation

RAILWAY & NAVAL SECTOR

Tanks, cisterns, and other cylindrical containers

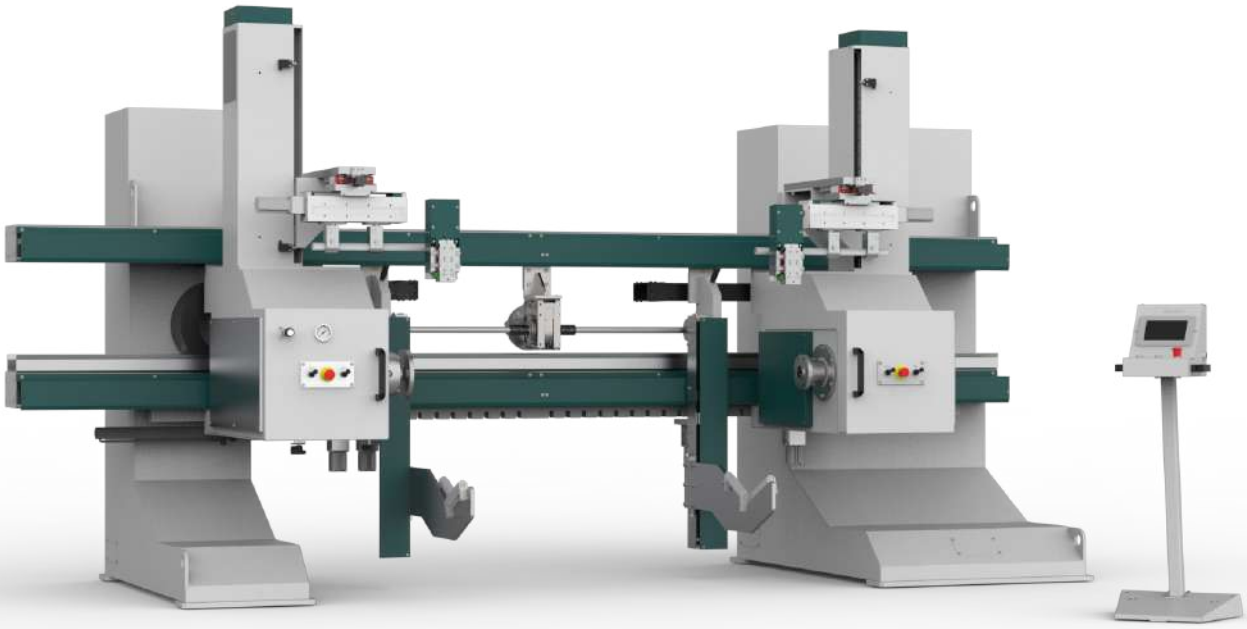
CHEMICAL & FOOD INDUSTRY

Vessels for chemical and food processing

SiTEC

TO

LATHE SYSTEMS



The TO lathe systems with controlled rotational axis are designed for maximum operational flexibility and professional results in every welding and circumferential cutting application.

Available configurations

- Closed cabin version for maximum safety.
- Open cabin version with protective curtains.

Standard equipment

- Single or multiple torch holders.
- Pneumatic tailstock.
- Pneumatic lift for loading/unloading.
- Pneumatic or motorised torch positioning system.
- Ergonomic touch screen panel.

Advanced control

- Programmable rotation speed management.
- Precise weld overlap control.
- Programming processing cycles.
- Management of acceleration/deceleration ramps.
- Integrated punching system.
- Post-gas control.

Fully Customizable System 100%

Sitec welding systems are designed upon customer request according to specific production requirements.

COMPLIANCE

Certification	Regulations	Machinery Directive
CE	EN-60204-1	Compliant

PRODUCT DIMENSIONS

Thickness	Diameter	Length
1 - 10mm	20 - 1000mm	100 - 5000mm

WELDING TECHNOLOGIES



TO

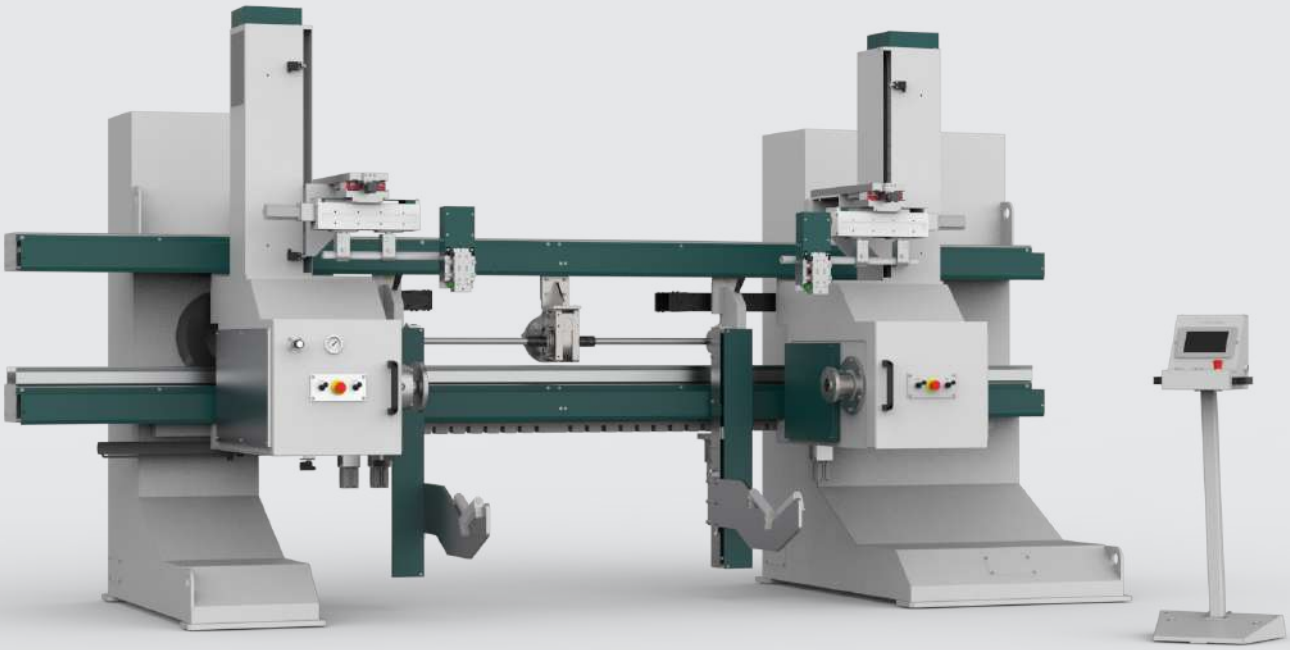
Enclosed version





TO

Open Version





TO ACCESSORIES

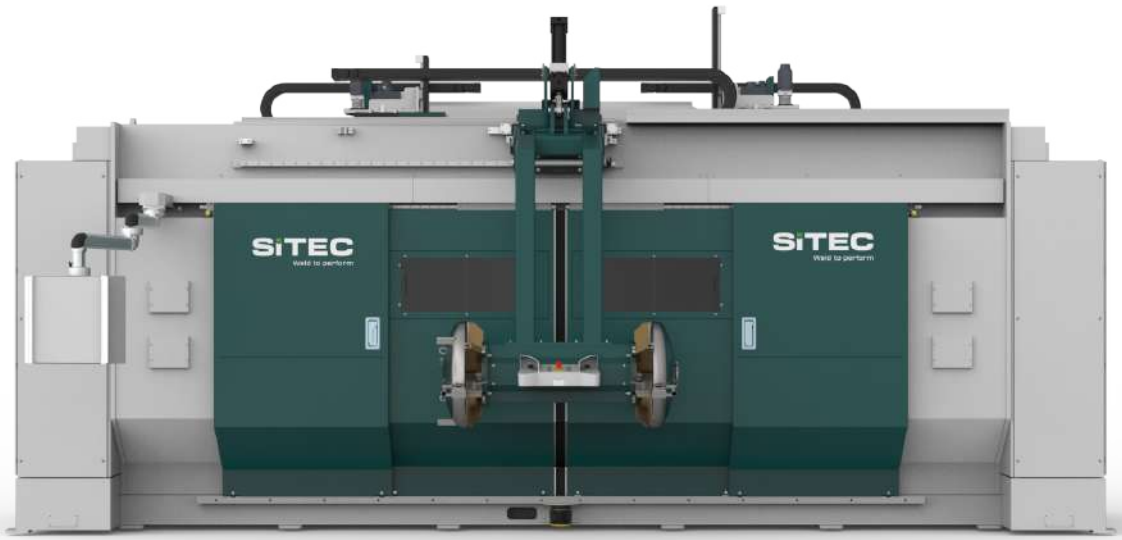
CODE	DESCRIPTION	TO	TO LASER
CR	Cooling unit	✓	✓
GRF	Cooling unit	✓	✓
AFF	NC-controlled cold wire feeder	✓	✓
SPG	Upper protection shoe with gas protection	✓	✓
IS	Welder interconnection	✓	✓
CAF	Fume extraction hood	✓	✓
MPP	Pneumatic door movement	✓	✓
TPC	Side panels, motorised doors and pneumatic suction hood	✓	✓
CPE	Electric tailstock	✓	✓
MR5	Rotating mass 500 A	✓	✓
MR8	Rotating mass 800 A	✓	✓
PED	Single-pedal gear-shift pedal unit	✓	✓
GA	Air joint or gas inlet one way	✓	✓
GIG	Air-water joint or two-way gas inlet	✓	✓
GR2	Two-way rotary joint for water passage	✓	✓
SES	Electronic follower probe	✓	✓
SES2	Second electronic follower probe	✓	✓

CODE	DESCRIPTION	TO	TO LASER
PT3	Touch probe tip R=3	✓	✓
PT6	Touch probe tip R=6	✓	✓
PT8	Touch probe tip R=8	✓	✓
AXS	Stainless Steel Spiral Rod	✓	✓
MP3	Pneumatic 3-jaw chuck for diameters from 50 to 250 mm	✓	✓
PSP	Pendulum welding programme	✓	✓
MBH	Brushless motorisation	✓	✓
IAM	Interpolation with Spindle Axis	✓	✓
PMA	Additional hand control		✓
PL	Laser pointer		✓
CAA	CAAT sensor for arc voltage control	✓	✓
OSC	Numerically controlled linear oscillator	✓	✓
KTAS	Camera kit for viewing joint before welding	✓	✓
KTMTP	Camera kit for MIG-TIG-PLASMA	✓	✓
IKT	Camera Kit Installation	✓	✓
REC	Fences	✓	✓

SiTEC

PMF

WELDING AND ASSEMBLY MACHINES



PMF

WELDING AND ASSEMBLY
OF BOTTOMS

Automatic systems for the assembly and welding of trimmed domes on cylinders of various lengths and diameters. Designed for maximum productivity and consistent quality in the welding of industrial tanks.

Thickness	Diameter	Lenght
1 - 6mm	200 - 1250mm	500 - 3000mm

System features

- Advanced numerical control for automatic management of

Rotational Speed	Torch Positioning	Shell Length Adjustment

- Precision Hydraulic Handling.
- Dual-torch system for simultaneous welding.
- Compatible with butt and beaded joints Automatic production cycle.

Automatic unloading on roller conveyore

1. Assisted loading of end caps
2. Insertion of the shell
3. Automated assembly of end caps onto the shell
4. Simultaneous circumferential welding of both end caps
5. Automatic unloading onto roller conveyor



Technological pluses

- High-precision centering system.
- Double torch for simultaneous welding.
- Integrated pre-tack process for butt joints.
- Smooth and controlled handling.



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sitecsistemi.it

PMF ACCESSORIES

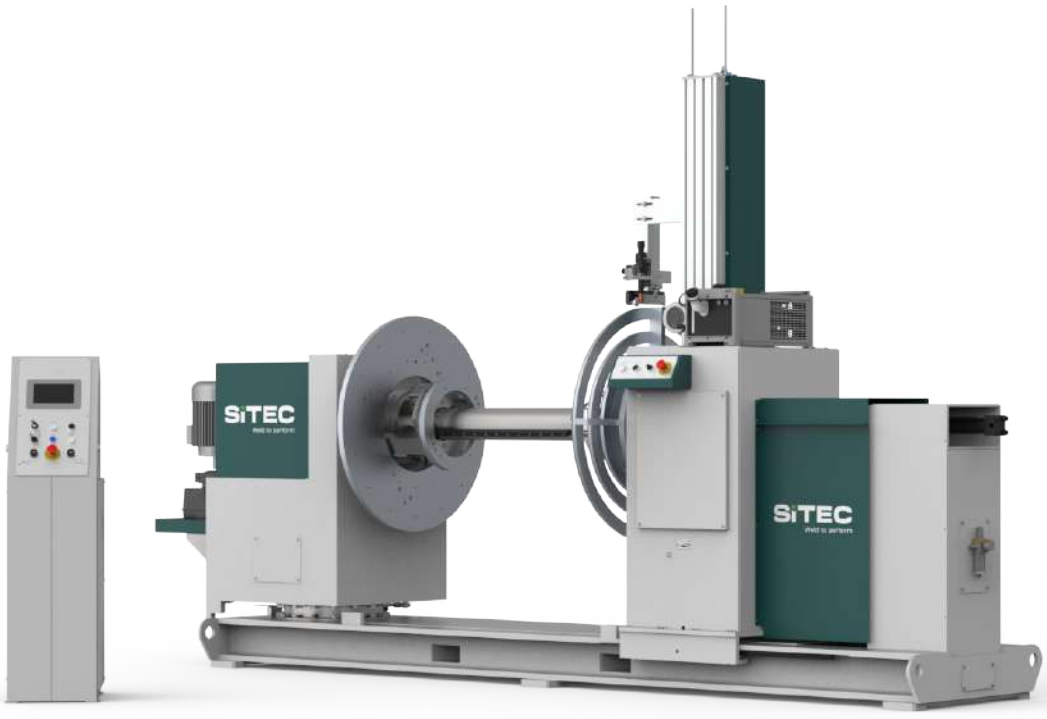
CODE	DESCRIPTION	PMF
CR	Cooling unit	✓
GRF	Cooling unit	✓
AFF	NC-controlled cold wire feeder	✓
SPG	Upper protection shoe with gas protection	✓
IS	Welder interconnection	✓
CAF	Fume extraction hood	✓
MPP	Pneumatic door movement	✓
CPE	Electric tailstock	✓
MR5	Rotating mass 500 A	✓
MR8	Rotating mass 800 A	✓
PED	Single-pedal gear-shift pedal unit	✓
GA	Air joint or gas inlet one way	✓
GIG	Air-water joint or two-way gas inlet	✓
GR2	Two-way rotary joint for water passage	✓
SES	Electronic follower probe	✓
SES2	Second electronic follower probe	✓

CODE	DESCRIPTION	PMF
PT3	Touch probe tip R=3	✓
PT6	Touch probe tip R=6	✓
PT8	Touch probe tip R=8	✓
AXS	Stainless Steel Spiral Rod	✓
MP3	Pneumatic 3-jaw chuck for diameters from 50 to 250 mm	✓
PSP	Pendulum welding program-me	✓
MBH	Brushless motorisation	✓
IAM	Interpolation with Spindle Axis	✓
PMA	Additional hand control	✓
PL	Laser pointer	✓
AVC	CAAT sensor for arc voltage control	✓
OSC	Numerically controlled linear oscillator	✓
KTAS	Camera kit for viewing joint before welding	✓
KTMTP	Camera kit for MIG-TIG-PLASMA	✓
IKT	Camera Kit Installation	✓
REC	Fences	✓

SiTEC

ESP

PRESSED DOMES WELDING EQUIPMENT



The ESP series of systems are designed to perform circumferential welding operations of stamped domes on cylinders or tanks of various thicknesses and materials. The expanders are made of alloyed and heat-treated material to achieve low wear over time and excellent heat removal, guaranteeing maximum precision and long-term reliability.

Features

- 4-sector hydraulic expansion system.
- Interchangeable sectors for different diameters.
- Designed for butt joint welds.
- Precision locking.

Versatility

- Compatible with moulded substrates of various thicknesses.
- Suitable for various materials.
- Modular system for different configurations.
- Maximum operational flexibility.

COMPLIANCE

Certification	Regulations	Machinery Directive
CE	EN-60204-1	Compliant

PRODUCT DIMENSIONS

Thickness	Diameter	Lenght
0.5 - 5mm	200 - 2000mm	200 - 2000mm

WELDING TECHNOLOGIES

Plasma | TIG | MIG/MAG | SAW

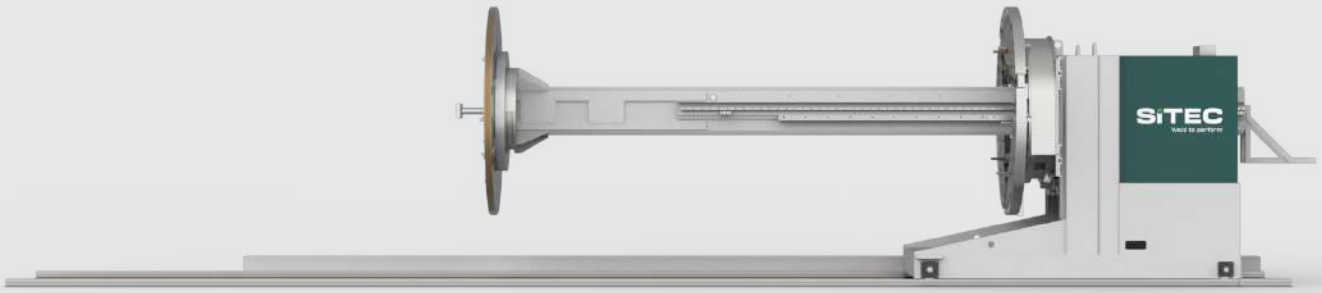


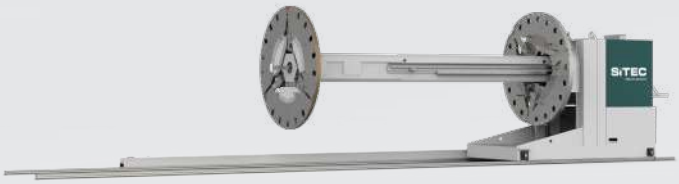
Fully Customizable System 100%

Sitec welding systems are designed upon customer request according to specific production requirements.

ESP14-20

Trolley system on double expander tracks





Trolley-mounted system on rails with double expander for automated MIG welding of domes on tanks. Equipped with double hydraulic beam expander system with overhead expander for adaptation to different formats. Precision hydraulic clamping for optimum domes-cylinder coupling

ETV3-9

Expander equipment and MIG welding



Expander equipment for MIG welding of domes on tanks, consisting of a trolley-mounted structure on rails, integral expander and movable beam with expander at the head to be able to process different tank sizes. The system is equipped with two expanders complete with a hydraulic system for clamping the dome on the cylinder.

ESP - ETV ACCESSORIES

CODE	DESCRIPTION	ESP	ETV
CR	Cooling unit	✓	✓
GRF	Cooling unit	✓	✓
AFF	NC-controlled cold wire feeder	✓	✓
SPG	Upper protection shoe with gas protection	✓	✓
IS	Welder interconnection	✓	✓
CAF	Fume extraction hood	✓	✓
CPE	Electric tailstock	✓	✓
MR5	Rotating mass 500 A	✓	✓
MR8	Rotating mass 800 A	✓	✓
PMA	Additional hand control	✓	
PL	Laser pointer	✓	
ACV	CAAT sensor for arc voltage control	✓	✓
KTAS	Camera kit for viewing joint before welding	✓	✓
KTM-TP	Camera kit for MIG-TIG-PLASMA	✓	✓
IKT	Camera Kit Installation	✓	✓
REC	Fences	✓	✓

SiTEC

SM

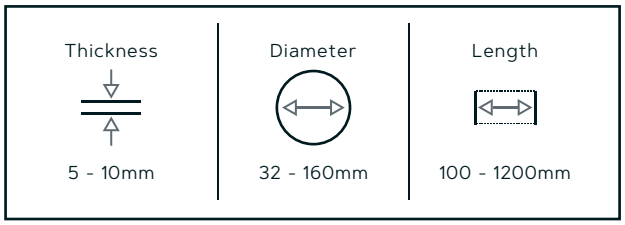
PIPES AND SOCKETS WELDING MACHINES



SM

Standard pipes and sockets welders

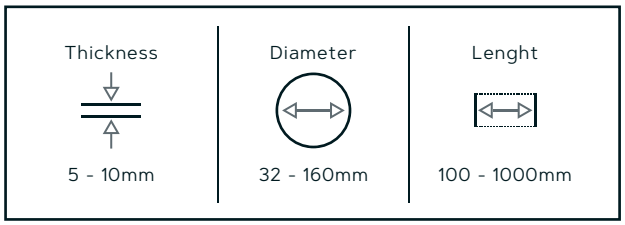
The SM Standard stations perform MIG - TIG - PLASMA welding operations of pipes and sockets on cylinders with a diameter between 32 mm and 160 mm and a maximum length of 1200 mm. They consist of a partially enclosed structure with manually opening doors.



SM CAB

Cabin pipes and sockets welders

The SM cabin stations are ideal for MIG - TIG - PLASMA welding of pipes and sockets on cylinders with diameters between 32 mm and 160 mm and a maximum length of 1000 mm. The systems are fully enclosed with pneumatically opening doors equipped with sensors, a support column for the rotating welding system and a jig for clamping and centring the workpiece.

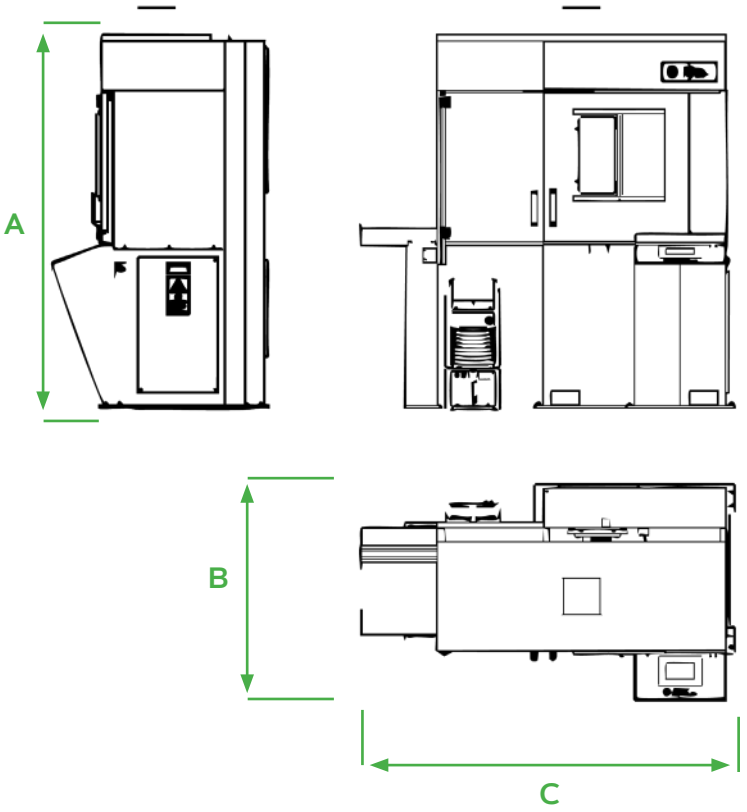


NC system with PLC

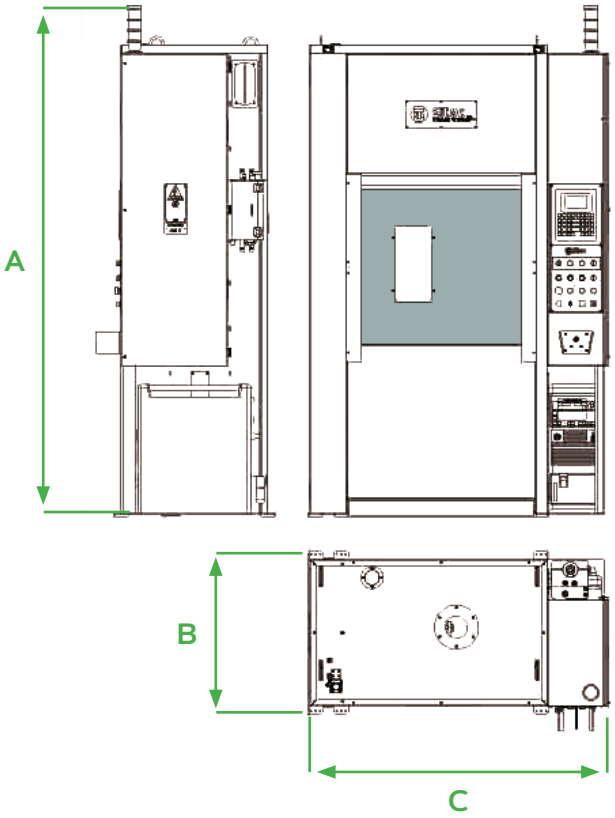
The control panel is equipped with a NC with integrated PLC, guaranteeing complete and precise management of all parameters (welding speed, welding overlap in degrees, welding revolutions and, in the case of spot welding, the number of strokes to be performed) with a programme storage system for rapid recall of the optimum configurations for each component.

MODELS

SM



SM CAB



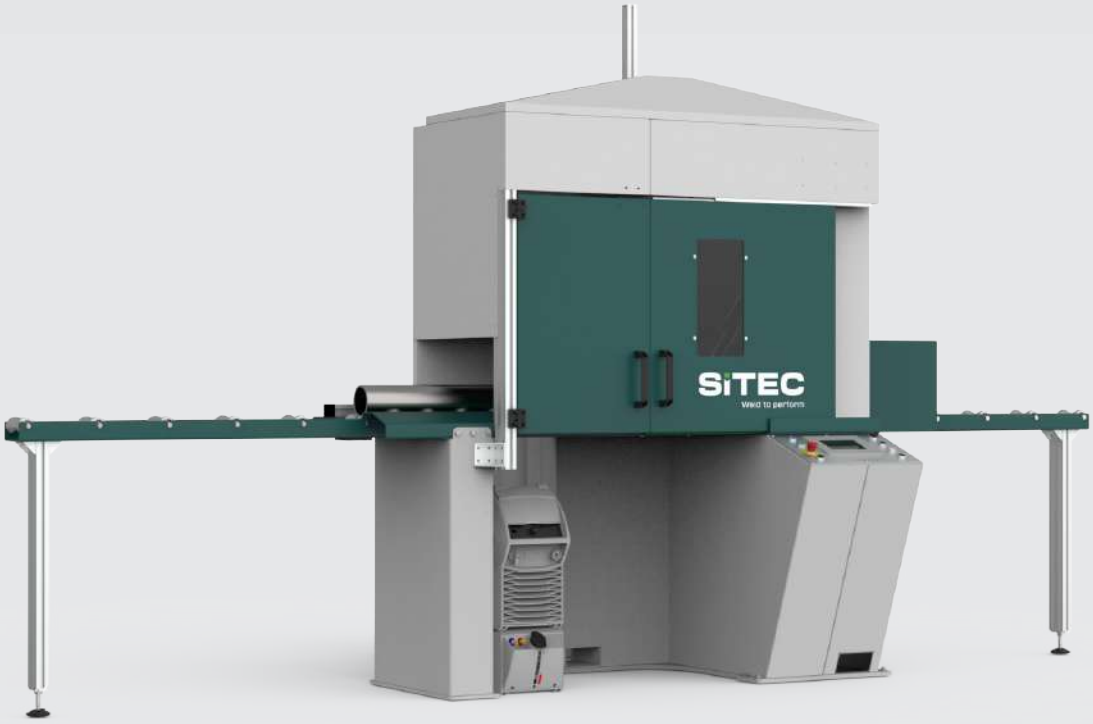
SM	A	B	C	D	Dm (min-max)	Dc (min-max)	Sc (min-max)	VR (min-max)	AC	P	Q
SM2A	2200	1200	2050	-	12 - 40	30 - 250	3 - 10	1 - 30	2	0,37	750
SM2ACAB	2786	885	1635	1296	15 - 30	30 - 80	3 - 5	1 - 30	2	1	1000

Dm = Sleeve size (mm)
Dc = Cylinder size (mm)
Sc = Cylinder thickness (mm)
VR = Rotation axis speed (rpm)
AC = Controlled axes
P = Motor power (kW)
Q =Weight (Kg)

SM STD

SM2A Standard Sleeve Welder for MIG
Welding of Sleeves onto Steel Cylinders





SM CAB

SM2ACAB Enclosed Sleeve Welder for MIG
Welding of Sleeves onto Steel Cylinders

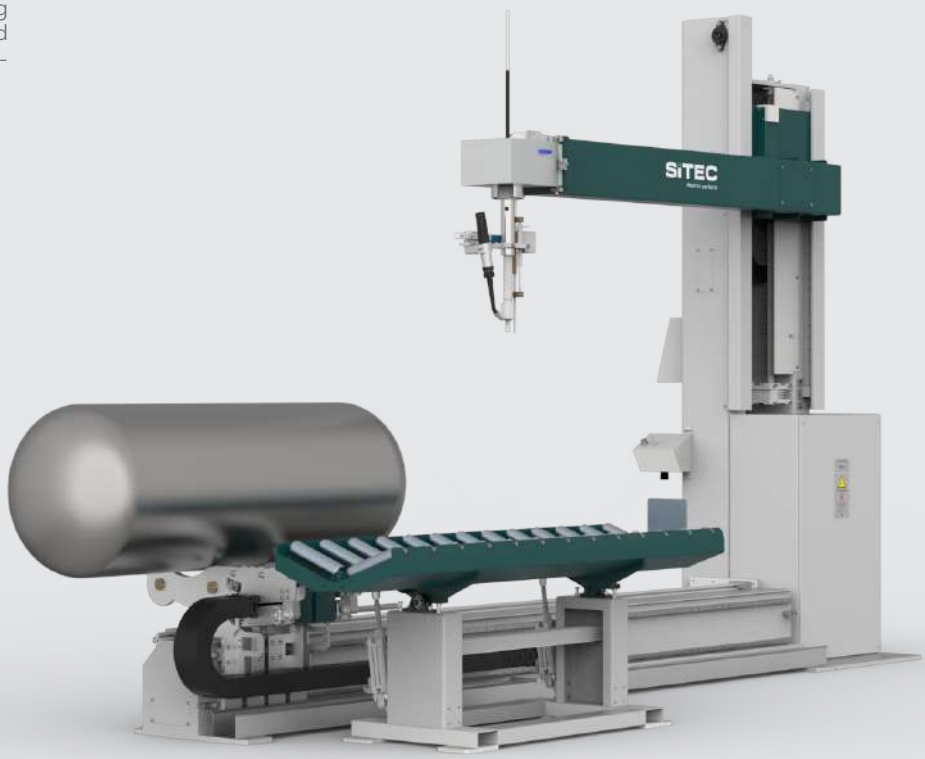




Machine for MIG welding of pipes and sockets on steel tanks with support beam for the rotating welding system, torch support with a positioning axis depending on the diameter of the pipes and sockets and support roller conveyor for the tank.

SM3A650

Pipes and sockets welding machine on tanks



Machine for TIG welding of pipes and sockets inside stainless steel wine containers, consisting of two interpolated Cartesian axes for circular welding of the pipes and sockets.

SMFO

Pipes and sockets welding machine on tanks



SM ACCESSORIES

CODE	DESCRIPTION	SM
CR	Cooling unit	✓
GRF	Cooling unit	✓
AFF	NC-controlled cold wire feeder	✓
SPG	Upper protection shoe with gas protection	✓
IS	Welder interconnection	✓
CAF	Fume extraction hood	✓
ATD	Cross axis adjustment sleeve diameter checked	✓
AO2M	Controlled horizontal axis for welding 2nd pipe and socket (for cab models)	✓
KTAS	Camera kit for viewing joint before welding	✓
KTMTP	Camera kit for MIG-TIG-PLASMA	✓
IKT	Camera Kit Installation	✓
REC	Fences	✓

ITR

ROTARY TABLE POSITIONERS



The rotary table positioners of the ITR series are designed to support and move workpieces on which circular welding can be performed in manual mode by the operator or in automatic mode via an adjustable support with pneumatic release (optional) that positions the torch.

Rotation and tilting are motorised. The tilt varies from 0° to 100° and the nominal capacity with the table in horizontal position varies from 100Kg to 8000Kg depending on the model.

Advanced control

- Ergonomic control console complete with NC with integrated remote PLC with intuitive touch screen display for complete and precise management of all parameters.
- Programme storage system for quick recall of optimal configurations for each component.
- User-friendly interface for managing welding cycles and parameters.

Welding functionality

- Accurate variable speed control, programmable according to specifications
- Precise weld overlap management with adjustment in degrees
- Advanced pointing system with two modes: :
  - Classic pre-tack with customisable number of points and times
  - Precision pre-tack with the possibility of setting up to 5 separate points in degrees
- Intelligent arch-closing ramp for optimum finish

Process control

- Presettable cycle counter for production monitoring
- Programmable times for:
  - Delayed departure
  - Pre-gas and post-gas
  - Table acceleration and deceleration
- Flexible operating mode in 2 or 4 strokes

Technical specifications

- Dual multifunctional pedals for ergonomic control
- Integrated rotating mass for optimum performance
- Reverse function
- Latest generation brushless motor (for ITR600A1 and higher models)

COMPLIANCE

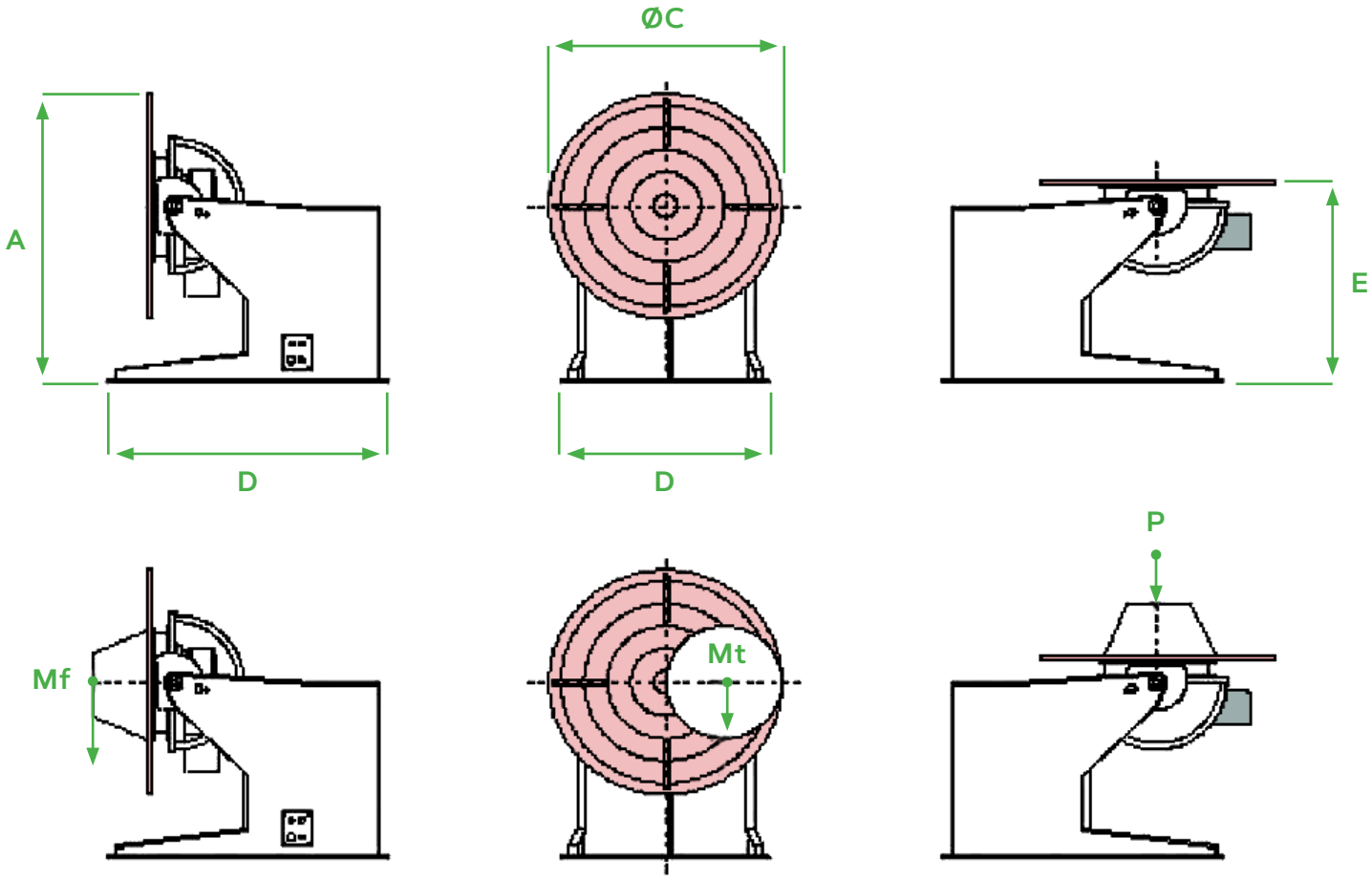
Certificatione	Regulations	Machinery Directive
CE	EN-60204-1	Compliant

WELDING TECHNOLOGIES



Plasma TIG MIG/MAG SWA

MODELS



ITR	A	B	ØC	D	E	Mf	Mt	P	Q	V
ITR 100 CN	760	815	500	596	850	14	12	100	120	0,6 - 6
ITR 250 CN	760	928	650	612	854	60	38	250	280	0,3 - 3
ITR 600 CN	787	925	800	760	906	120	55	400	550	0,13 - 1,3
ITR 1200 CN	787	1200	1000	900	906	300	150	1200	700	0,04 - 2
ITR 3500 CN	900	1500	1400	1300	1053	900	350	3500	2200	0,03 - 1,5
ITR 6000 CN	920	1800	1600	1320	1080	1800	900	6000	2650	0,015 - 0,75
ITR 8000 CN	920	2000	1800	1450	1180	2480	1050	8000	3200	0,015 - 0,75

Mf = Maximum bending moment (Kgm)
Mt = Maximum torque moment (Kgm)
P = Maximum load capacity (Kg)
Q = Weight (Kg)
V = Rotational speed

ITR 100

Rotary Table Positioner



ITR 100 SV

Rotary Table Positioner with Torch Release



ITR 250

Heavy-Duty Rotary Table Positioner



ITR 250 BR

Heavy-Duty Rotary Table Positioner with Bar Passage



ITVP

Rotary table positioners
with tilting tailstock

These positioners combine the features of the ITR series positioners with the addition of a tilting tailstock, which allows the support angle of the workpiece to be adjusted during the welding process.

The ITVP series of positioners are ideal for machining workpieces that require welding in several positions or for longer and more complex components, where greater stability and accurate support is essential.



ITRP100CAB

Rotary table with tailstock into a protected cabin



Circular TIG welding machine for pipes and sockets of various formats consisting of a rotary table and a pneumatic tailstock with torch holder.

ITR1200

Rotary table positionner
1200kg flat load capacity



Dividing rotary table system with special workpiece carrier plate with T-slots for clamping workpieces and programmable stop division.

TPL8000

Rotary table positioner
for large capacities



The TRF series heavy-duty positioners have a fixed table configuration with a vertical rotary axis and cover all normal positioning requirements. They greatly facilitate the operator's work by saving time in workpiece orientation and handling during machining. Special rotary table positioners are manufactured with great robustness and quality up to 120 Ton.

ITR - ITVP ACCESSORIES

CODE	DESCRIPTION	ITR	ITVP
CR	Cooling unit	✓	✓
GRF	Cooling unit	✓	✓
AFF	NC-controlled cold wire feeder	✓	✓
SPG	Upper protection shoe with gas protection	✓	✓
IS	Welder interconnection	✓	✓
CAF	Fume extraction hood	✓	✓
CPE	Electric tailstock		✓
MR5	Rotating mass 500 A	✓	✓
MR8	Rotating mass 800 A	✓	✓
SPT	Articulated system complete with skids for positioning the torch	✓	✓
BC	Tailstock position lock	✓	✓
PED	Single-pedal gear-shift pedal unit	✓	✓
GA	Air joint or gas inlet one way	✓	✓
GIG	Air-water joint or two-way gas inlet	✓	✓

CODE	DESCRIPTION	ITR	ITVP
GR2	Two-way rotary joint for water passage	✓	✓
AXS	Stainless Steel Spiral Rod	✓	✓
MP3	Pneumatic 3-jaw chuck for diameters from 50 to 250 mm	✓	✓
PVC	Vertical tailstock extension		✓
SPF	Pneumatic lift with manually adjustable fixed stroke		✓
PSP	Pendulum welding programme	✓	✓
MBH	Brushless motorisation	✓	✓
IAM	Interpolation with Spindle Axis	✓	✓
CAA	CAAT sensor for arc voltage control		✓
OSC	Numerically controlled linear oscillator		✓
KTAS	Camera kit for viewing joint before welding	✓	✓
KTMTP	Camera kit for MIG-TIG-PLASMA	✓	✓
IKT	Camera Kit Installation	✓	✓
REC	Fences	✓	✓

SITEC

ACC

AVAILABLE ACCESSORIES FOR THE SYSTEMS

CODE	DESCRIPTION
RIM	Movable bottom roller conveyor, mounted on slides and recirculating ball bearing guides, adjustable in height via hydraulic cylinder. Insertion cycle, support on roller conveyor and pre-closing of vials managed by N.C.
RRD	Roller conveyor reduction to work with smaller diameters
DBO	Lowering bar support for easy unloading of the welded part, complete with hydraulic power pack and cylinder solenoid valves
SAX	Stainless steel non-magnetic bar support
RFA	Fixed front roller conveyor to facilitate the insertion and support of the cylinder, pipe or tube
RU4	Four roller systems, manually movable on the pre-closing roller conveyor, pneumatically lifted for cylinder, pipe or tube rotation during loading
SLO	Side pusher with hydraulic movement via hand-operated cylinder
SFL	Footboard complete with ladder to facilitate the welding operation for diameters above 1000 mm
STI	Footboard complete with ladder to facilitate the welding operation for diameters above 1000 mm
MAB	Adjustable brackets moved by hydraulic cylinders with load-bearing balls to support the cylinder ends on the copper bar, mounted laterally to the base
CSO	Hydraulically operated special type centring device for aligning the two joints
SFL	Fixed lateral support for flat sheet metal
ETS	Extension of the slide beam to support two welding systems simultaneously
SXC	Fixed stainless steel supports to facilitate tube loading
TSP	Slide beam with 'Heavy Series' pressers
CR	Cooling unit

CODE	DESCRIPTION
GRF	Cooling unit
AFF	NC-controlled cold wire feeder
BRP	Flat copper bar
BRR	Radial copper bar
BRG	Copper bar with gas
BXP	Flat stainless steel bar
BXR	Radial stainless steel bar
BXG	Stainless steel bar with gas
PX	Stainless steel pressors
SPG	Upper protection shoe with gas protection
IS	Welder interconnection
CAF	Fume extraction hood
MPP	Pneumatic door movement
TPC	Side panels, motorised doors and pneumatic suction hood
CPE	Electric tailstock
MR5	Rotating mass 500 A
MR8	Rotating mass 800 A
MI8	Normal lower jig H=80mm internal
MG8	Normal bottom jig H=80mm inside with gas channel

CODE	DESCRIPTION
KMA	Jig kit HEIGHT SUP. 80mm
MI2	Normal bottom jig H=200mm inside with gas channel
MS2	Normal upper jig H=200mm internal with gas channel
ATD	Cross axis adjustment pipe or socket diameter checked
AO2M	Controlled horizontal axis for welding 2nd pipe or socket (for cab models)
SPT	Articulated system complete with skids for positioning the torch
BC	Tailstock position lock
PED	Single-pedal gear-shift pedal unit
GA	Air joint or gas inlet one way
GIG	Air-water joint or two-way gas inlet
GR2	Two-way rotary joint for water passage
SES	Electronic follower probe
SES2	Second electronic follower probe
PT3	Touch probe tip R=3
PT6	Touch probe tip R=6
PT8	Touch probe tip R=8
AXS	Stainless Steel Spiral Rod
MP3	Pneumatic 3-jaw chuck for diameters from 50 to 250 mm
PVC	Vertical tailstock extension

CODE	DESCRIPTION
SPF	Pneumatic lift with manually adjustable fixed stroke
PSP	Pendulum welding programme
MBH	Brushless motorisation
IAM	Interpolation with Spindle Axis
CBC	Pair of tracks for wheeled version
PSG	Generator support platform
PMA	Additional hand control
PL	Laser pointer
KRT	Roller-table management kit
RMT	Motorised torch rotation
RMC	Motorised torch rotation

SLM SLC

Motorised slides

The SLC series motorised slides are linear displacement units designed for welding various workpieces, in particular for application on positioners, enabling linear welding. These linear slides are made of machine-machined cast aluminium, and are equipped with recirculating ball bearings and guides for precise movement. The linear movement is driven by a DC or brushless gearmotor with a recirculating ball screw and nut.

The torch holder is mounted on the slide, while a remote control panel, complete with numerical control (NC) and integrated PLC, allows the welding speed to be controlled and welding programs to be set and stored. These slides are particularly suitable for straight-line welding on flat surfaces.

OSC

Linear oscillator

Numerically controlled linear oscillator with 50 mm stroke, electronic adjustment of speed, amplitude, oscillations and pauses, all settable via a membrane keypad. Parameters are easily viewed on the display.

The system consists mainly of:

- **Slide**
  with 50 mm stroke, complete with recirculating ball screw and case hardened nut, driven by a brushless motor and equipped with resolver for precise motion control. The screw, hardened and ground gothic arc guides, together with the four recirculating carriages, guarantee high performance.
- **Mechanical protection**
  Mechanical protection that encloses the screw, micro extra-strokes and guides, ensuring maximum safety and durability.
- **Separate control panel**
  Separate control panel, complete with numerical control for accurate management of all functions.

AVC

CAAT sensor

CAAT sensor designed to control arc voltage, ensures correct torch height positioning, even in the presence of significant ovality of the workpiece.

It consists mainly of:

- **Slide**
  A 220 mm stroke slide with brushless motorisation, including a case-hardened screw and nut with recirculating ball system, protected by mechanical covers to prevent contact with dust and impurities. The hardened and ground guides with Gothic arc ensure high performance, while the four recirculating carriages guarantee precise and smooth movements.
- **Separate control panel**
  Separate control panel, complete with numerical control, for accurate and safe management of the system.

KTAS

Camera kit for viewing joint before welding

Industrial camera for monitoring and observing the automatic Submerged Arc Welding (SAW) process.

The system consists of:

- **17" LCD monitor.**
- **Colour camera with varifocal lens.**
  RGB camera equipped with varifocal lens for optimal centering of the monitored area.
- **Coaxial video cable**
  Double-sheathed coaxial video cable complete with 25m connectors.
- **Monitor console**
  Monitor console complete with swivel castors.
- **Double ball joint**
  Double ball joint for camera support and positioning.

KT-MTP

Camera kit for MIG-TIG-PLASMA

Industrial-grade camera system designed to monitor and inspect the automatic welding process performed with MIG, TIG, and Plasma technologies.

The system consists of:

- 17" LCD monitor.
- Varifocal lens.
  RGB camera equipped with varifocal lens for optimal centering of the monitored area.
- Coaxial video cable
  Double-sheathed coaxial video cable complete with 25m connectors.
- Monitor console
  Monitor console complete with swivel castors.
- Double ball joint
  Double ball joint for camera support and positioning.
- Safety Enclosure
  Protective housing for MIG welding, equipped with a pneumatically-actuated retractable screen for camera protection during the welding process.

IKT

Camera Kit Installation

The system consists of:

- Axis movement joystick.
- Welding axis selector.
- Emergency mushroom.
- Silkscreen for control console.
- Labour at Sitec.

SF98

98 litre flux pusher

The pusher unit is a pressurized tank, fitted with various devices, and serves as a feeding system for flux hoppers in Submerged Arc Welding (SAW).

The system consists of:

- 98L Tank
  PED-certified tank with a capacity of 98 litres.
- Switch
  Compact vibration level switch.
- Top opening
  Top opening for flux loading complete with mechanical safety.
- Three-way selector switch
  Three-way selector switch for pressure relief inside the tank.
- Safety valve
  Overpressure safety valve.
- Filter-regulator unit
  Filter-regulator unit complete with pressure gauge for line air regulation.
- Acoustic warning
  Acoustic empty tank warning light with enabling switch.
- warning light.
  Empty tank warning light.

SF98R

98 litre heated flow pusher

Compared to the SF98 pusher, the heated flux pusher is equipped with the following additional components:

- Double armoured resistance
  Double armoured AISI321 electrical resistance complete with safety thermostat with capillary and stainless steel bulb.
- Temperature probe
  Temperature probe for measuring flow temperature inside the tank.
- Digital temperature control
  Digital temperature control with flow temperature display and temperature programming.

SVF

Motorised wire unwinder for drums

Automates the process of unwinding welding wire from drums or reels. This motorised system enables constant and controlled wire delivery, improving the efficiency and quality of welding operations.

RADF

Wire straightener for A.C.

Corrects bending and deformation of the wire. Welding wire, when unwound from reels or drums, can exhibit undulations or bends that impair its proper use. The wire straightener straightens the wire before it is fed into the welding machines, ensuring optimal processing.

- Model for A.C.
- Model for MIG

REC

Fences

Modular perimeter protection systems ensure the safety of work areas, protecting people and structures from operating machines and installations. Thanks to their high modularity, they are designed and manufactured to adapt to different requirements.

Images of products shown in this catalogue are for illustration purposes only and may not be an exact representation of the product.

SAFETY AND COMPLIANCE



Strict compliance with safety standards

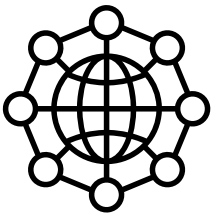


Compliance with CE regulations



Designed in accordance with Industry 4.0 standards

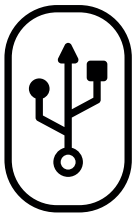
CONNECTIVITY



OPC UA Communication Protocols



Wi-Fi Connection

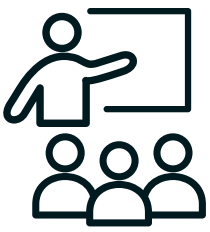


USB Ports

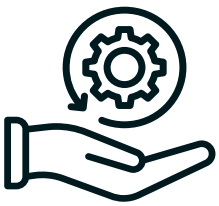


Remote Connection

SUPPORT AND ASSISTANCE



Comprehensive training for operators



Tailored maintenance programs



Highly specialized technical support



Dedicated and continuous after-sales support

SiTEC

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TO REQUEST ASSISTANCE,
SCAN THE QR CODE AND COMPLETE
THE ONLINE SUPPORT FORM.



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