MORE IS POSSIBLE

WITH ROBOTIC WELDING

MORE IS POSSIBLE WITH ROBOTIC WELDING

More is possible with our complete robotic welding solutions, combining cutting-edge hardware and software for seamless, efficient performance. ESAB's robotic welding solutions help skilled welders to boost productivity and reduce downtime. With 120 years of innovation under our belt, we offer high-quality, sustainable welding with reduced fumes and easy-to-use systems. Weld smarter, faster, and better with our reliable, intuitive robotic welding technology.

EXPANDING CAPABILITIES AND BOOSTING PRODUCTIVITY IS EASY WITH ESAB

Your ESAB team will provide support throughout demonstration, delivery, training of your staff and deployment of the Cobot and Robotic solutions.

Purchase financing is available through Geneva Capital. Start your application today.

COBOT WELDING

Transform your welding operations with ESAB's cutting-edge Cobot Solutions. Our innovative cobots combine precision and efficiency, offering seamless integration into your existing workflows. With features like easy programming, advanced safety protocols, and versatile welding capabilities, these cobots are designed to reduce downtime and are the perfect tool to boost productivity for skilled welders. Discover how ESAB Cobot Solutions can revolutionize your production line and enhance your business.

ESAB Cobots solve today's toughest challenges in the most demanding environments, including industries with a high mix of low-volume parts. Cobots allow for increased output and productivity – without more manpower – all in a small footprint. Best of all, there's no complicated programming like with traditional robotics. Cobots are made for welders, not programmers, with software that is simple and intuitive.

ESAB provides complete Cobot solutions as well as key components

A. **Welding system:** equipment for reliable and high-quality welding in most applications

B. **ESAB Teach Tool:** enables manual welders to create advanced Cobot programs without code and with limited training

C. **InduSuite software:** monitor welding productivity & ensure weld traceability

D. **Filler Metals for robotic applications:** deliver longer tip life, higher feedabiliy and fewer Si-islands

REQUEST A VIRTUAL DEMO

ROBBI™ MOBILE

ROBBI Mobile robotic welding systems solve today's toughest challenges in the most demanding environments, including industries with a high mix of low-volume parts. It allows for increased output and productivity – without more manpower – all in a small footprint.

Best of all, unlike traditional robotics there's no complicated programming. Cobots are made for welders, not programmers, with app-based software that is simple and intuitive.

Combining the best-quality UR arm on the market, the Aristo 500ix heavy-industrial pulse welding power source, and the RobustFeed U82 wirefeeder, ROBBI Mobile is the ideal solution for superior feed-ability and arc performance.

HIGHLIGHTS

- Easy-to-use app-based software allows immediate access to parts programming, analytics for increased repeatability and uptime, and productivity monitoring.
- In-app remote support provides answers and information in a matter of minutes.
- Advanced pulse functionality reduces heat input and minimizes spatter to improve productivity by reducing rework, saving you time and cost.
- No robot operation/programming experience required.
- Playlist/Part storage for quick and easy recall.

INDUSTRIES

- General Industrial Fabrication
- Energy
- Transportation
- Repair and Maintenance
- Educational

ORDER INFORMATION

ROBBI™ Mobile Aristo 500ix Air-Cooled 460 V 3 ph
0464752010

ROBBI™ Mobile Aristo 500ix Water-Cooled 460 V 3 ph
0464752020

ROBBI™ Mobile Aristo 500ix Water-Cooled 575 V 3 ph
0464752022

ROBBI™ Mobile Aristo 500ix Air-Cooled 575 V 3 ph
0464752012

SPECIFICATIONS

Dimensions, L x W x H Maximum Arm Reach incl. Arm in full upright position	48 x 41 x 116.2 in. (1219 mm x 1042 mm x 2951 mm)

ROBOTIC WELDING

Elevate your welding operations with ESAB's advanced robotics welding solutions. Our comprehensive range features state-of-the-art technology, easy integration, and robust performance, designed to boost your productivity and weld quality. With intuitive controls and reliable operation, ESAB's robotic welding solutions are engineered to meet the demands of modern manufacturing. Discover how our robotics solutions can transform your production – get started today!

Elevate your welding with ESAB's robotic solutions. Featuring advanced technology, easy integration, and robust performance, our systems enhance productivity and weld quality. Designed for modern manufacturing, ESAB offers intuitive controls and reliable operation. Transform your production today!

A. **Aristo Edge:** ESAB's new robotic welding system is designed for ease of use and to deliver reliable and high-quality welding

B. **Jetstream:** clean any nozzle geometry with preserved TCP and prolonged consumable life

C. **InduSuite software:** monitor welding performance, ensure weld traceability, detect weld defects & program any robot brand

D. **Filler Metals for robotic applications:** longer tip life, higher feedabiliy, fewer Si-islands, packaged for productivity in Marathon PACs

SPEAK TO AN EXPERT

ARISTO EDGE 500R

The Aristo Edge 500R power source is a key component of the cutting-edge Aristo Edge RoboSystem, a comprehensive robotic welding solution. This system incorporates the Aristo Edge 500R power supply, RoboFeed Edge robotic wire feeder, an automation gateway (AGW), various torch options, and dress kits (brackets and cables) tailored for diverse robotic systems. Designed to harness unique synergies among its components, the RoboSystem facilitates advanced robotic capabilities such as seam tracking and nozzle/wire sensing.Equipped with state-of-the-art digital control electronics from ESAB, the Aristo Edge 500R ensures precise arc starts and enhanced stability across all GMAW transfer modes, including SPEED and THIN, effectively minimizing spatter. The SPEED mode offers superior control at higher travel speeds, reduced spatter, deeper and more focused penetration in fillet welds, and the ability to weld in narrower grooves. Moreover, the innovative Aristo Edge platform empowers independent development, optimization, and updates for each welding process. This feature instills users with confidence, knowing they are investing in a future-proof system that can adapt to evolving technological advancements

HIGHLIGHTS
- Easy to integrate
- Multi-Voltage
- Intuitive User Interface
- Different weld modes deliver high weld quality
- Integrated IoT and Automation Gateway
- Integrated Cooling Unit

INDUSTRIES
- Industrial and General Fabrication
- Agricultural Equipment
- Mobile Equipment
- Civil Construction
- Transportation

PROCESS
- SMAW/MMA (Stick)
- GMAW (MIG/MAG)

SPECIFICATIONS

Operating Temperature	-20 - +55 °C (0 - 131 °F)
Input Voltage (CSA)	460-575 V ±10 %, 3 , 50/60 Hz
Input Voltage (CE)	380-460 V ±10 %, 3 , 50/60 Hz
GMAW Welding Output (100% Duty Cycle)	400 A (34.0)
GMAW Welding Output (60% Duty Cycle)	500 A (39.0)
Open Circuit Voltage	54.8 V
Power Factor at Maximum Current (SMAW)	0.91
Power Factor at Maximum Current (GMAW)	0.93
Efficiency at Maximum Current (GMAW)	88 %
Efficiency at Maximum Current (SMAW)	89 %
Operating Temp	-20 - +55 °C (0 - 131 °F)
Enclosure Class	IP23
Insulation Class	H
Application Classification	S
Certification Mark	CSA
Dimensions (L x W x H)	700 x 325 x 680 mm (27.5 x 12.8 x 26.8 in.)
Weight	85 kg (187 lbs)

ORDER INFORMATION

Aristo Edge 500R, CE 380-460V
0446300890

Aristo Edge 500R, CSA 460-575V
0446300891

VISIT ESAB.COM FOR MORE INFORMATION

ROBOFEED EDGE

ESAB RoboFeed Edge is a compact and powerful wire feeder developed for the Aristo Edge RoboSystem robotic welding solution. The Aristo Edge RoboSystem includes the Aristo Edge 500R power supply, RoboFeed Edge wire feeder, an automation gateway (AGW), a variety of torch options and dress kits (bracket and cables) for different robotic systems. All components have been developed to achieve unique synergic effects together for high performance GMAW welding. An innovative mounting design allows rapid installation and easy maintenance of the RoboFeed Edge on both hollow wrist (HW) and standard robot arms. Internal LED lights illuminate the feed mechanism allowing feed rollers to be easily and safely changed. Feeder rollers are available up to Ø1.6 mm.

HIGHLIGHTS
- Easy to install
- Torch connection features a unique ESAB torch module which allows a high duty cycle with less heat generation
- Integrated wire brake function for accurate wire touch sense results
- Advanced shielding gas control: Digital setup of shielding gas flow for each weld with high potential for shielding gas savings
- PreciDrive wire drive mechanism combined with a high-power density motor maintains precision and agile wire feeding performance to promote consistent weld quality
- Integrated HMI for quick access

INDUSTRIES
- Industrial and General Fabrication
- Agricultural Equipment
- Mobile Equipment
- Civil Construction
- Transportation

PROCESS
- GMAW (MIG/MAG)

SPECIFICATIONS

Power Supply	60 VDC
Drive Mechanism	4WD
Drive Rollers	Ø 38 mm
Wire Feed Speed	0.8-35 m/min (32-1378 in./min)
Diameter	0.8-1.6 mm (.031-1 1/16 in.)
Operating Temperature	-10 - +40 °C (14 - 104 °F)
Enclosure Class	IP2X
Application Classification	S
Certification Mark	CE, CSA
Dimensions, L x W x H	322 x 235 x 182 mm (12.7 x 9..3 x 7.2 in.)
Weight	5.5 kg (12.1 lbs)

ORDER INFORMATION

RoboFeed Edge TrueArcPin (TAP) CE/CSA
0445900880

RoboFeed Edge EURO CE/CSA
0445900881

VISIT ESAB.COM FOR MORE INFORMATION

ARISTO RT ROBOTIC TORCHES

The Aristo® RT robotic torches offers world class performance in single arc applications. Standard arm torches are also very suitable for mechanized solutions. There are three different product set ups: Robotic standard arm (external cable) Robotic hollow wrist arm Change to Helix +/-270° Robotic hollow wrist arm Infiniturn (endless rotation)

With multiple gas cooled models and multiple water cooled models available in different swan neck angles. Packages available for ABB, Fanuc, Kukaand Motorman/Yaskawa.

PRACTICAL ADVANTAGES
- Collision resistant design meaning no readjustment of the torch neck. Giving TCP (Tool Centre Point) stability and reducing downtime, increasing productivity
- Integrated blow out capability can be used for cooling and cleaning of the robotic neck
- Long life of consumables, torch body and spares

SPECIAL FEATURES
- All torches support ESAB TrueArcVoltage™ systems and TouchSense* function from ESAB power sources
- Quick change system for torch neck
- Simple exchange of the cable assembly
- Constant TCP when changing the torch neck or cable assembly
- Extremely strong brass outer tubes provide highest TCP stability
- Large selection of torch necks to suit every weld application
- Customized torch necks can be ordered on request
- All benefits mentioned above reduce the downtime of the robot and mechanized solutions and therefore bring more efficiency to our equipment compared with any other torch system available in the market.

* TouchSensefunction can be used via gas cup or wire. For TouchSensefunctionality standard robot arm torch is preferred. If using Helix and Infiniturnweld wire can be used as a touch sensor instead of gas cup.

TORCH DESIGN
- Large and strong brass outer tube that assures TCP stability due to its high wall thickness
- Low spatter adhesion to brass due to its physical character
- Brass torch flange
- Highest precision guarantees stability
- Air and water cooled torches of the same torch model use the same spare parts giving a reduction of inventory.

Smallest gas nozzles and torch heads available in order to perform excellent in all kinds of different welding jobs. Threaded gas nozzles with additional clamping lead to a much better heat transfer and therefore long life consumables which again reduce the downtime of the robot for a constant change of consumables.

Optimized gas flow which brings us an extremely stable and reliable welding arc.

ORDER INFORMATION

RT 82W Torch Neck, Water-Cooled 0 deg	**0700300673**		RT 72G Torch Neck, Air-Cooled 22 deg	**0700300850**
RT 82W Torch Neck, Water-Cooled 22 deg	**0700300674**		RT 72G Torch Neck, Air-Cooled 36 deg	**0700300851**
RT 82W Torch Neck, Water-Cooled 36 deg	**0700300675**		RT 72G Torch Neck, Air-Cooled 45 deg	**0700300852**
RT 82W Torch Neck, Water-Cooled 45 deg	**0700300676**			

JETSTREAM RT

Innovative cleaning principle of contact tips, tip holders, insulators and the gas nozzle.

For prismatic, round and elliptical gas nozzles and inside cleaning of conical nozzles. Leaves a clean and smooth surface, enhances laminar gas flow in the torch.

HIGHLIGHTS
- Longer life of all consumables
- Enhances cleanliness of the welding area
- No mechanical damage to the torch
- The torch head is blasted with a particle jet
- Limitations of the Reamer cleaning are overcome

INDUSTRIES
- Automotive
- Ship/Barge Building
- Transportation
- General Manufacturing

ORDER INFORMATION

JetStream RT Cleaning Station
0459990215

WELDQAS

Documentation, monitoring, fault detection
WeldQAS is an automatic weld monitoring system. By monitoring welding parameters during the welding process, an immediate error reaction is possible in order to avoid consequential damage.

WeldQAS acquires real-time data from welding production, reveals inefficiencies and enables action to optimize the production process.

HIGHLIGHTS

- Records welding parameters such as welding current, welding voltage, gas flow rate, wire feed speed during the welding process online without an additional accessory added on the welding torch
- The WeldQAS is based on a new technology of recording high-resolution digital data and smart data processing in a signal processor
- Using patented algorithms and welding parameters to detect pores, burn-through, wire defects (MSG) and other welding irregularities
- Data is stored in databases and provide an overview for optimising and stabilising welding production. WeldQAS is network compatible and data is automatically stored on a central server
- The WeldQAS series consist of a compact version, a cabinet version, and a panel version to which sensors can be connected to record process variables. Process variables can also be recorded using industrial fieldbus systems or power source-specific buses

PROCESS

- GTAW (TIG)
- GMAW (MIG/MAG)
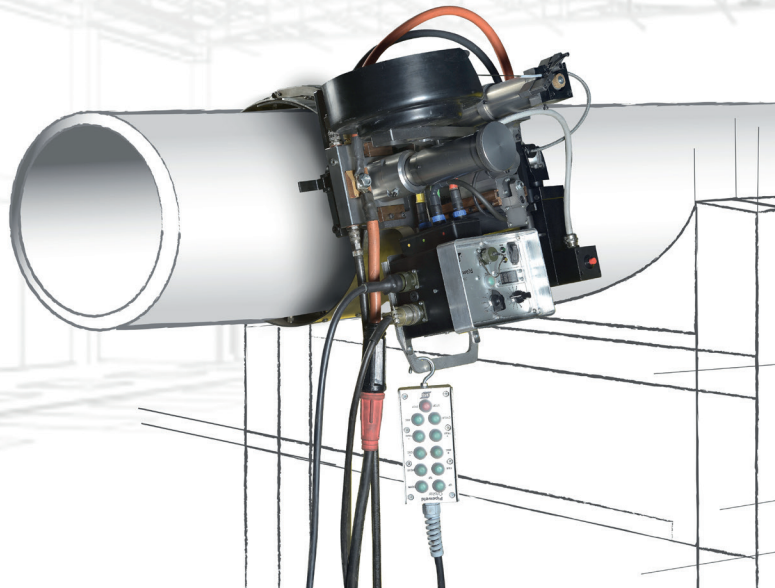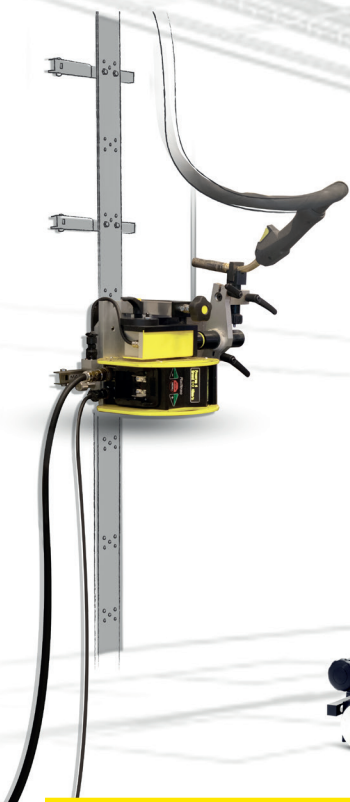- SAW - Submerged Arc Welding

ORDER INFORMATION

WeldQAS Micro
HKS0001421

WeldQAS Universal (Cabinet)
HKS0002362

WeldQAS Power
HKS0002806

WeldQAS Power (prepared for support arm mounting)
HKS0002807

MECHANIZED WELDING

Experience unparalleled speed and productivity with ESAB's mechanized MIG (GMAW) welding solutions. Designed for simplicity and ease of use, our systems offer quick and straightforward setup, minimizing downtime and maximizing efficiency. Optimize your workflow and reduce costs with our advanced welding technology, helping you to easily mechanize linear and orbital MIG welds in all welding positions, to ensure you allocate resources more effectively. Explore ESAB's mechanized MIG welding solutions today and transform your production!

TRACFINDER WHEEL

ESAB Tracfinder Wheel is the most versatile and autonomous welding carriage for all-positional welding and cutting applications. It delivers high-performance, precision welding in a compact, robust package. Designed for maximum flexibility and ease of use, this tractor is the ideal solution for fabrication shops seeking fast setup, reduced downtime, and consistent weld quality without the need for rails.

HIGHLIGHTS

- 4-Wheel Drive System: Dual motorization (independent left/right control) ensures optimal traction and stability in all welding positions
- Magnetic Base*: with its 28kg magnetic force it Securely operates in all Welding positions
- Battery Powered: Minimum 10 hours of battery life ensures extended operation without interruption
- High Welding Speed: up to 200 cm/min for enhanced productivity
- Remote control: available with an operating range of 20 meters

- Set up weld programs: Set up weld speed & length, delays, repetitions, stitch welding, back-step welding & more
- Motorized slides and pendulum oscillator: Options for remote controlled linear and pendular axis set up for weaving in all angles
- Auto-Guided Tracking: Innovative tracking software adjusts the tractor's trajectory based on torch position, eliminating the need for rails and minimizing setup time.
- Communication box: accessory for 2-way communication with Aristo Edge power source

INDUSTRIES

- Bridge Construction
- Industrial and General Fabrication
- Mobile Equipment
- Ship and Offshore Yards
- Shipbuilding
- Steel Industry
- Transportation
- Structural Steel Fabrication

FEATURE COMPARISON

	Standard	Advanced	Advanced+
Battery (battery not included)	Li-Ion 18V 5Ah	Li-Ion 18V 5Ah	Li-Ion 18V 5Ah
Operating time, Carriage Battery	10 - 20 h	10 - 20 h	10 - 20 h
Operating time, Remote Control Battery	No remote control	8 h	8 h
Minimum Pipe Diameter (Exterior weld)	1200 mm	1200 mm	1200 mm
Stepper motor	2x Brushless DC	2x Brushless DC	2x Brushless DC
Travel speed	1 – 200 cm/min	1 – 200 cm/min	1 – 200 cm/min
Slide adjustment, horizontal	38 mm	65 mm	65 mm
Slide adjustment, veritcal	38 mm	65 mm	65 mm
Length, support arms	250 mm	250 mm	250 mm
Standard wheel, 4-wheel drive	75 mm	75 mm	75 mm
Ambient temperature	-5 / +50°C	-5 / +50°C	-5 /+50°C
Magnetic force	28 kg	28 kg	28 kg

SPECIFICATIONS

	Standard	Advanced	Advanced+
Dimensions, L x W x H	365 x 225 x 310 mm	365 x 225 x 310 mm	365 x 225 x 310 mm
Weight	9,1 kg	14 kg	14 kg
Protection rating	IP43	IP43	IP43
Weaving patterns	0	3	3
Parameter Control Buttons	0	8	16
2-way Communication (Modbus)	No	No	Yes

ORDER INFORMATION

Tracfinder Wheel Standard
A000101097
Tracfinder Wheel Advanced
A000101098
Tracfinder Wheel Advanced+
A0001010217

VISIT ESAB.COM FOR MORE INFORMATION

TRACFINDER RAIL

ESAB Tracfinder Rail is a fully modular and programmable rail-based welding tractor. It delivers high-performance, precision welding in a compact, robust package. The ESAB Tracfinder Rail is designed for horizontal and vertical welding in all positions using high stability rails.

HIGHLIGHTS

- Direct Drive Rail System: Rack & pinion transmission allows high stability & prevents slippage
- Battery Powered: Minimum 10 hours of battery life ensures extended operation without interruption
- High Welding Speed: up to 180 cm/min for enhanced productivity
- Remote control: available with an operating range of 20 meters
- Set up weld programs: Set up weld speed & length, delays, repetitions, stitch welding, back-step welding & more
- Motorized slides and pendulum oscillator: Options for remote controlled linear and pendular axis set up for weaving in all angles
- Joint teaching software: Use points to set up non-standard weld paths
- Communication box: accessory for 2-way communication with Aristo Edge power source

INDUSTRIES

- Ship and Offshore Yards
- Shipbuilding
- Pipeline
- Repair and Maintenance
- Heavy Fabrication
- Structural Steel Fabrication
- Tank and Vessel Fabrication
- Windtower

FEATURE COMPARISON

	Standard	Advanced	Advanced+
Battery (battery not included)	Li-Ion 18V 5Ah	Li-Ion 18V 5Ah	Li-Ion 18V 5Ah
Operating time, Carriage Battery	10 - 20 h	10 - 20 h	10 - 20 h
Operating time, Remote Control Battery	No remote control	8 h	8 h
Minimum Pipe Diameter (Exterior weld)	1000 mm	1000 mm	1000 mm
Stepper Motor	Brushless DC	Brushless DC	Brushless DC
Travel speed	1 – 180 cm/min	1 – 180 cm/min	1 – 180 cm/min
Slide adjustment, horizontal	38 mm	65 mm	65 mm
Slide adjustment, veritcal	38 mm	65 mm	65 mm
Standard rail	1500 mm	1500 mm	1500 mm
Ambient temperature	-5 / +50°C	-5 / +50°C	-5 / +50°C
Dimensions, L x W x H	345x220x255mm	345x220x255mm	345x220x255mm
Weight	7 kg	12 kg	12 kg
Protection rating	IP43	IP43	IP43
Weaving patterns	0	3	3
Parameter Control Buttons	0	8	16
2-way Power Source Communication (Aristo Edge)	No	No	Yes

ORDER INFORMATION

Tracfinder Rail Standard
A000101099
Tracfinder Rail Advanced
A000101100
Tracfinder Rail Advanced+
A000101218

VISIT ESAB.COM FOR MORE INFORMATION

PIPEWELD ORBITER

The Pipeweld Orbiter is a light weight bug for orbital welding of pipe and pipelines allowing the use of 1 system for diameters of 8" pipe and above without the need to swap the drivetrain. The Pipeweld Orbiter is not sided and the same unit can weld both sides of the joint. The unit has its own wire feed system and torch eliminating the need for secondary feeders, torch hose packs and cables. The only supplies required are control, power and gas resulting in accurate and precise electrode positioning and unrestricted orbital travel.
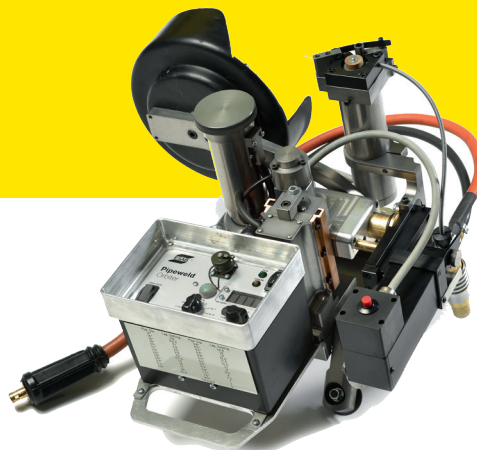
HIGHLIGHTS

- The machine is of lightweight construction to ensure ease of handling by the operator
- Ability to go in either direction and 360 degrees enables one machine to complete a weld joint, welding direction (up or down) is changed via a rocker switch
- The on board control box enables a wide range of welding parameters to be stored which are programmed and downloaded from Hand Held Programming Unit (HHPU)
- The motor, gearboxes, lead screws, and bearings are designed for heavy duty long life
- All of the software for the HHPU and controller can be upgraded on-site or in-house via e-mail

INDUSTRIES

- Marine and Offshore
- Offshore Oil
- Pipe Construction
- Pipeline

WELDING SPECIFICATIONS

Gas pre-flow and Post-flow	0-20 sec
Crater Fill Time	0-2 sec
Burn Back Time	0-5 sec
Oscillation Width	26 mm
Oscillation Dwell	0-250 ms
Welding Torch Control, Vertical	50 mm
Welding Torch Control, Horizontal	55 mm

MEASUREMENTS AND DIMENSIONS

Conditional Qualification	w/o wires & Cables
Weight	16 kg

CAPACITIES AND TEMPERATURES

Wire Feed Speed	5-15 m/min (200-590 in./min)	5-15 m/min (200-590 in./min)
Wire Type	Solid Wire	Flux Cored Wire
Wire Diameter	0.8-1.2 mm	1.2 mm
Pipe Diameter	200 mm	200 mm
Max. Spool Diameter	200 mm	200 mm
Wire Spool Capacity	5 kg	5 kg
Max. Spool Diameter	200 mm	200 mm
Wire Spool Capacity	5 kg	5 kg

ORDER INFORMATION

Pipeweld Orbiter Bug
**0459990380**

VISIT ESAB.COM FOR MORE INFORMATION

BENEFITS OF **MODULAR WELDING CELLS**

MODULAR SQUARE BASE WITH COVER

ESAB's robotic welding cells are the perfect solution for anyone seeking efficiency and quality. We designed our cells with your convenience in mind, ensuring unprecedented ease of assembly.

With clear, intuitive guide images for assembly, you'll have your system up and running in record time, minimizing downtime and maximizing your productivity from day one.
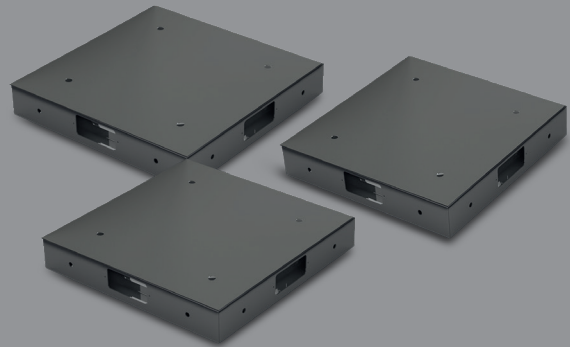
Beyond quick assembly, ESAB cells stand out for their practicality and robustness. They feature an integrated overhead crane, optimizing workflow and simplifying part handling.

Plus, they offer plug-and-play installation. This means no complex or time-consuming setups – just connect and start welding. It's the simplicity your industry needs to boost production.

With a weld-ready design, ESAB robotic cells are the smart investment choice. They guarantee precision, repeatability, and a flawless finish on every weld, elevating your product standards and cutting operational costs.

Don't wait – discover how ESAB can transform your welding operations.

ESAB proudly offers many components to support our integrator partners in building custom robotic cells.
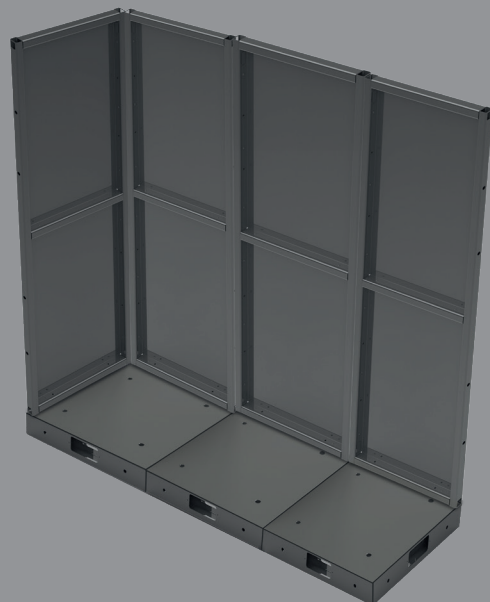
ARC STATION
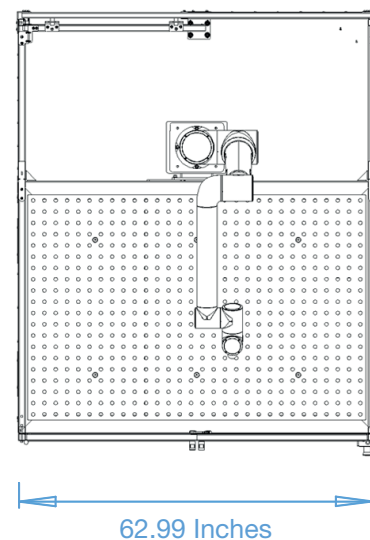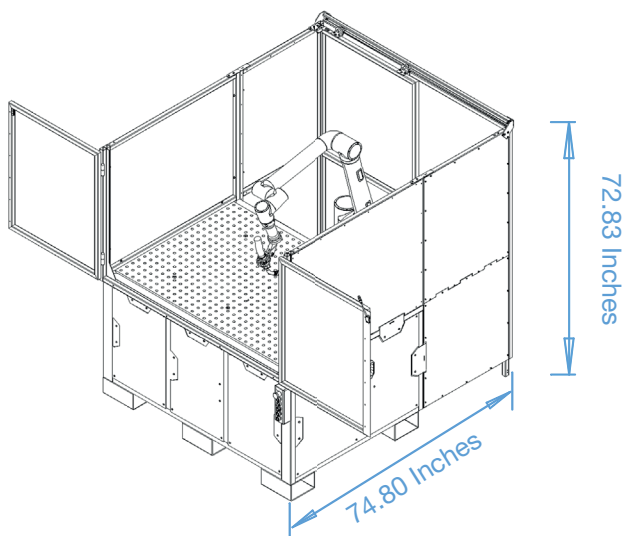## Station Robotic Welding System

Closed

Open

ATTENTION

STANDARD TABLES - NO SWIVEL

Specifications

Front Filling Stations	01
Table Size (Inches)	59.05 x 39.37
Width	62.99 Inches
Height	72.83 Inches
Length	74.80 Inches
Weight	1212.54 lb
Table Load Capacity	551.15 lb

72.83 Inches

74.80 Inches

62.99 Inches

ESAB proudly offers many components to support our integrator partners in building custom robotic cells.

RTW-SA40
Dual Station Robotic Welding System

RTW-SA40 Complete

RTW-SA40 Structure

RTW-SA40 Codes

Only Structure	9999.9999
Integrated with the Aristo welding machine	9999.9999

ATTENTION

STANDARD TABLES - NO SWIVEL

Specifications

Front Filling Stations	02
Table Size (Inches)	29.52 x 38.18
Width	118.56 Inches
Height	83.46 Inches
Length	113.46 Inches
Weight	4188.73 lb
Table Load Capacity	1102.31 lb

118.56 Inches

83.46 Inches

116.46 Inches

ESAB proudly offers many components to support our integrator partners in building custom robotic cells.
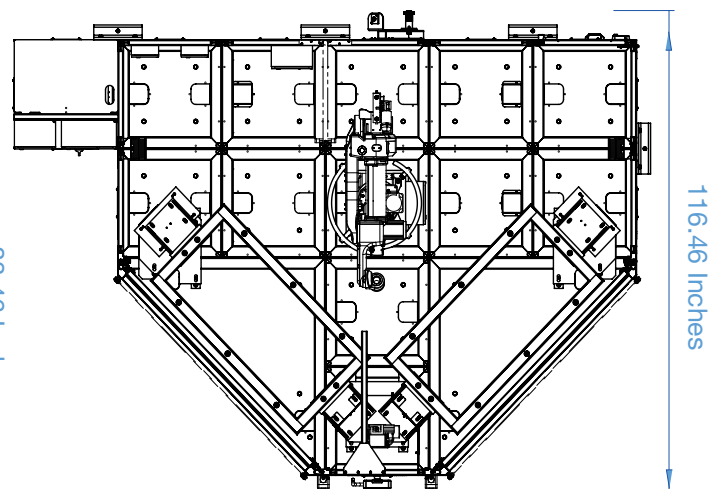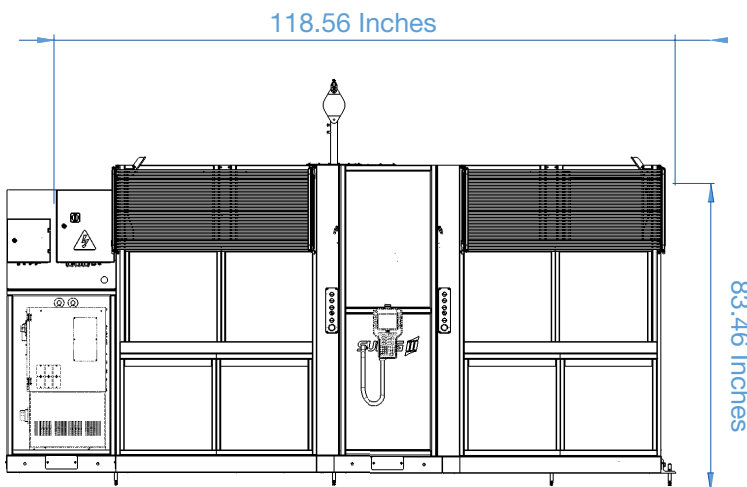
RTW-LA60

Dual Station Robotic Welding System

RTW-LA60 Complete

RTW-LA60 Structure

RTW-IA60 Codes

Only Structure	9999.9999
Integrated with the Aristo welding machine	9999.9999

ATTENTION

STANDARD TABLES - NO SWIVEL

Specifications

Front Filling Stations	02
Table Size (Inches)	59.05 x 29.52
Width	152.00 Inches
Height	106.29 Inches
Length	111.61 Inches
Weight	11243.58 lb
Table Load Capacity	2204.62 lb

152.00 - Inches

83.106.29 Inches

111.61 Inches

ESAB proudly offers many components to support our integrator partners in building custom robotic cells.
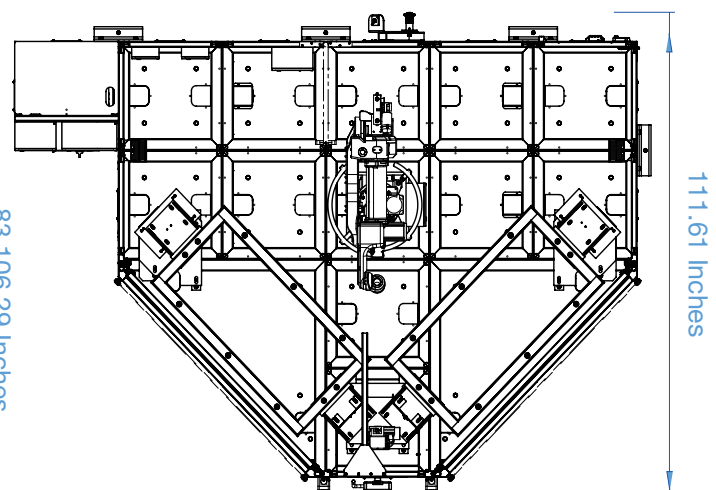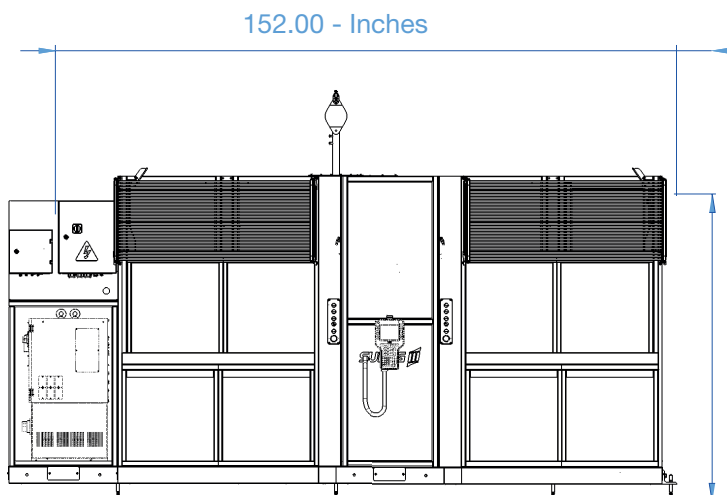
RTW-SD44

Compact Dual Station Robotic Welding System
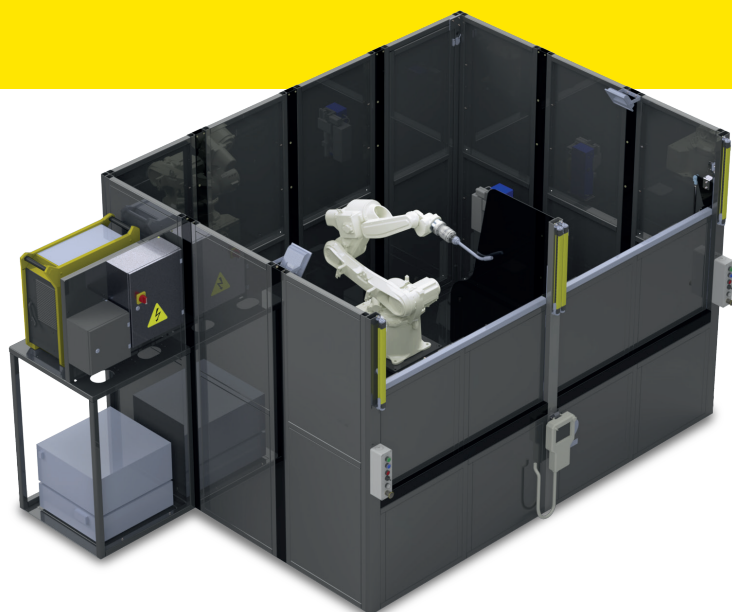
RTW-SD44 Complete

RTW-SD44 Structure

RTW-SD44 Codes

Only Structure	9999.9999
Integrated with the Aristo welding machine	9999.9999

ATTENTION

STANDARD TABLES - NO SWIVEL

Specifications

Front Filling Stations	02
Table Size (Inches)	39.37 x 29.52
Width	118.56 Inches
Height	106.29 Inches
Length	97.55 Inches
Weight	4409.28 lb
Table Load Capacity	1102.31 lb

106.29 Inches

118.56 Inches

97.55 Inches

ESAB proudly offers many components to support our integrator partners in building custom robotic cells.

RTW-SS67

Compact Single Station Robotic Welding System
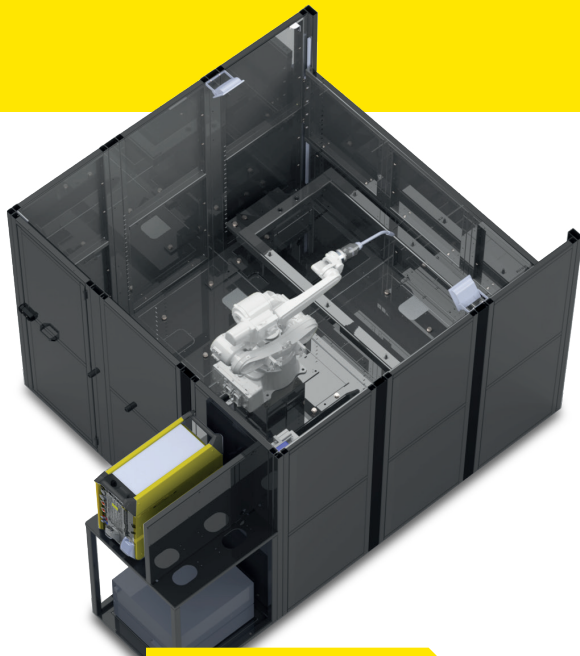
RTW-SS67 Complete

RTW-SS67 Structure

RTW-SS67 Codes

Only Structure	9999.9999
Integrated with the Aristo welding machine	9999.9999

ATTENTION

STANDARD TABLES - NO SWIVEL

Specifications

Front Filling Stations	02
Table Size (Inches)	59.05 x 29.52
Width	90.35 Inches
Height	106.29 Inches
Length	127.16 Inches
Weight	4409.28 lb
Table Load Capacity	1102.31 lb

106.29 Inches

90.35 Inches

127.16 Inches

ESAB proudly offers many components to support our integrator partners in building custom robotic cells.
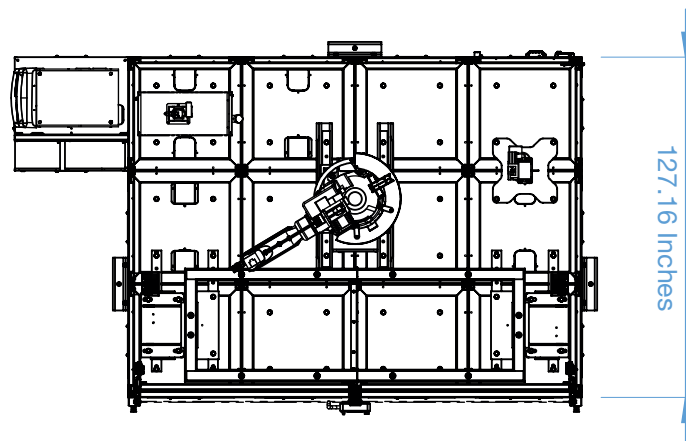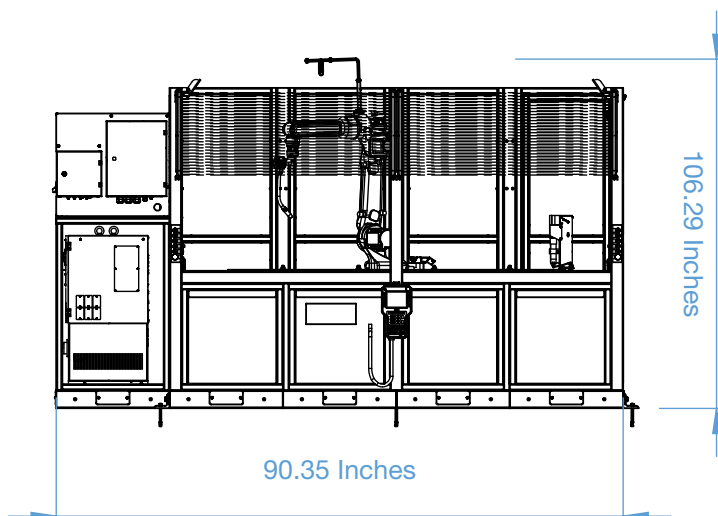
RTW-SD88

Dual Station Robotic Welding System
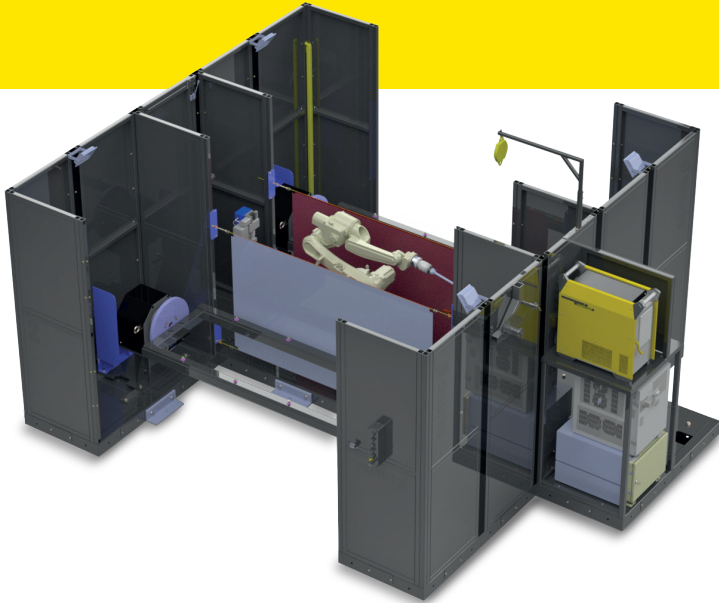
RTW-SD88 Complete

RTW-SD88 Structure

RTW-SD88 Codes

Only Structure	9999.9999
Integrated with the Aristo welding machine	9999.9999

ATTENTION

STANDARD TABLES - NO SWIVEL

Specifications

Front Filling Stations	02
Table Size (Inches)	39.37 x 29.52
Width	118.56 Inches
Height	106.29 Inches
Length	97.55 Inches
Weight	4409.28 lb
Table Load Capacity	1102.31 lb

106.29 Inches

178.58 Inches

155.19 Inches

ESAB proudly offers many components to support our integrator partners in building custom robotic cells.

RTW-LD120

Dual Station Robotic Welding System
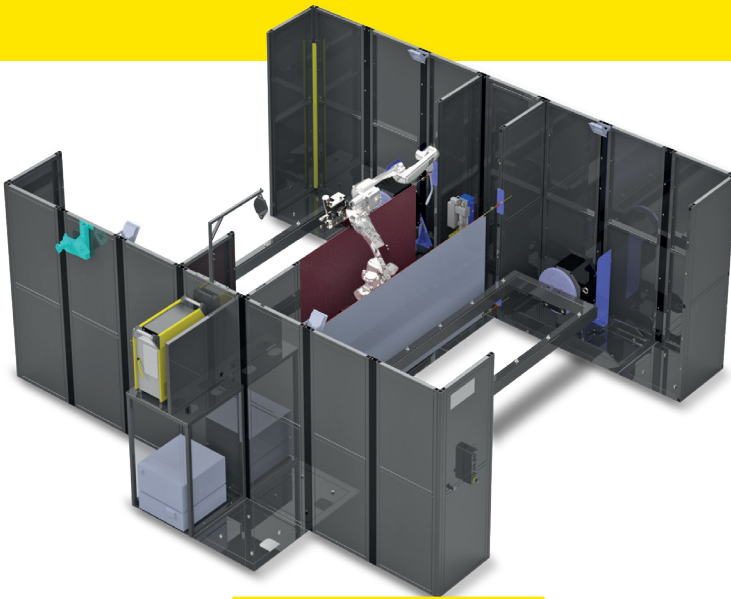
RTW-LD120 Complete

RTW-LD120 Structure

RTW-LD120 Codes

Only Structure	9999.9999
Integrated with the Aristo welding machine	9999.9999

ATTENTION

STANDARD TABLES - NO SWIVEL

Specifications

Front Filling Stations	02
Table Size (Inches)	118.11x39.37
Width	216.53 Inches
Height	106.29 Inches
Length	214.68 Inches
Weight	6525.68 lb
Table Load Capacity	2204.62 lb

106.29 Inches

118.11 Inches

214.68 Inches

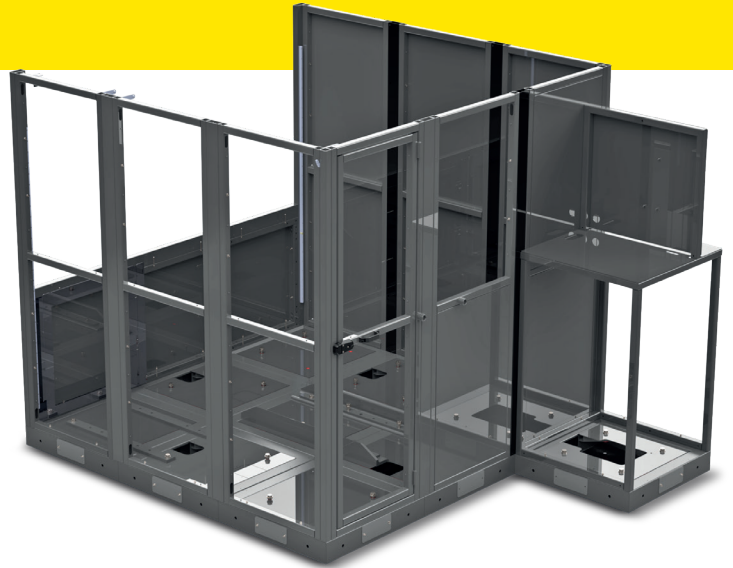*ESAB proudly offers many components to support our integrator partners in building custom robotic cells.*
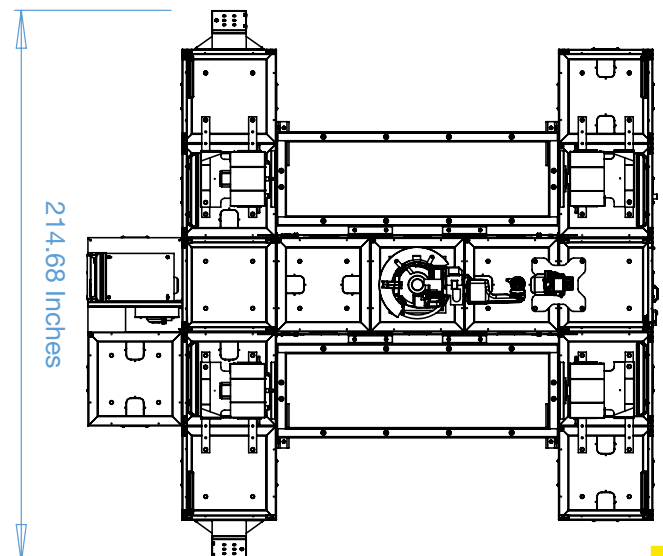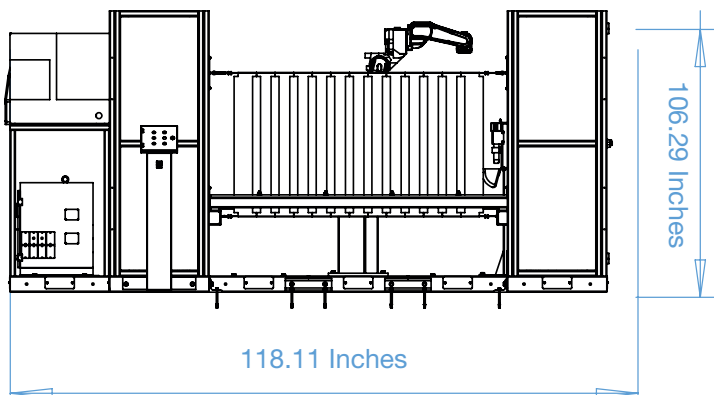
RTW-SR42

Compact Dual Station with Automatic Rotating Table Robotic Cell
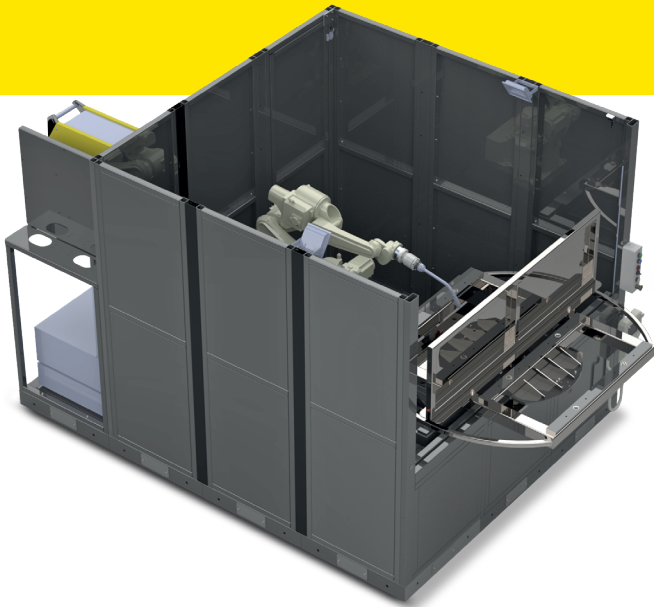
RTW-SR42 Complete

RTW-SR42 Structure

RTW-SR42 Codes
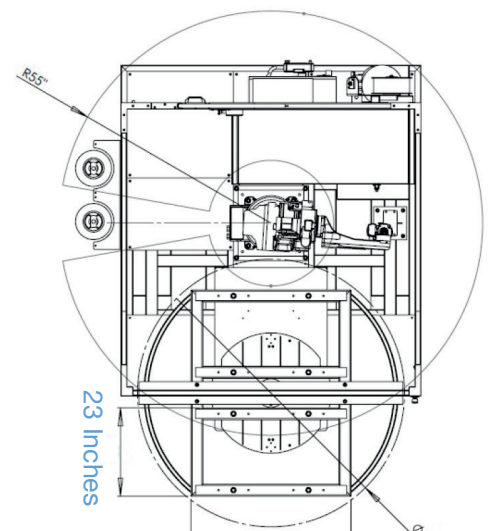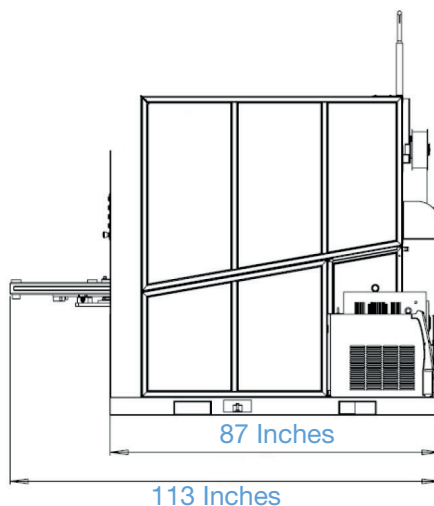
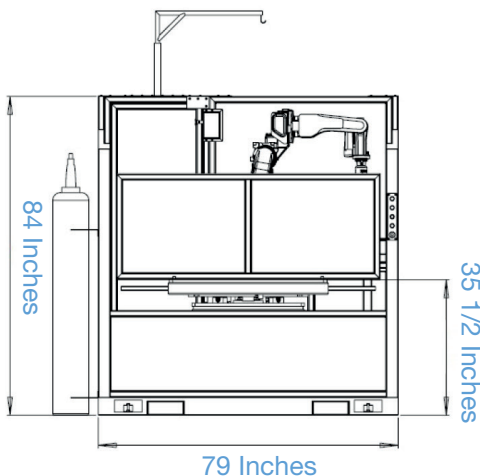|	
Only Structure	9999.9999
Integrated with the Aristo welding machine	9999.9999

ATTENTION

STANDARD TABLES - NO SWIVEL

Specifications

Front Filling Stations	02
Table Size (Inches)	21.0 x 42.0
Width	118 Inches
Height	83 Inches
Length	79 Inches
Weight	5000 lb
Table Load Capacity	440 lb

84 Inches

35 1/2 Inches

79 Inches

87 Inches

113 Inches

R55"

23 Inches

ESAB proudly offers many components to support our integrator partners in building custom robotic cells.

RTW-SR98

Dual Station with Automatic Rotating Table Robotic System
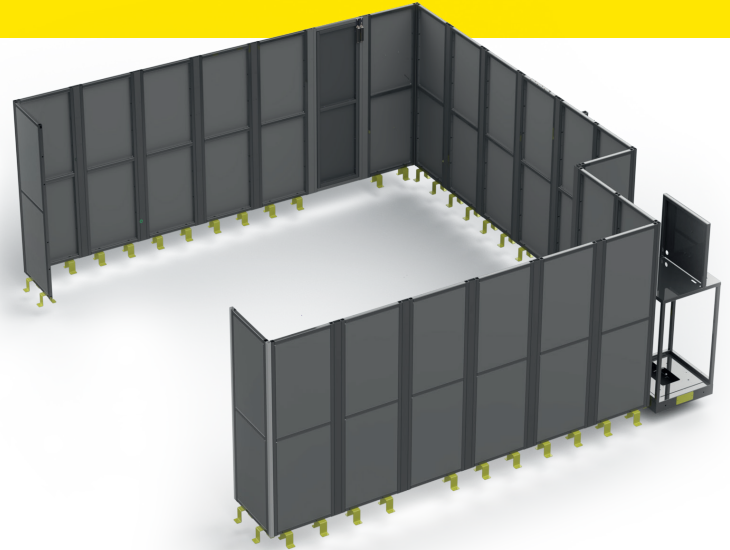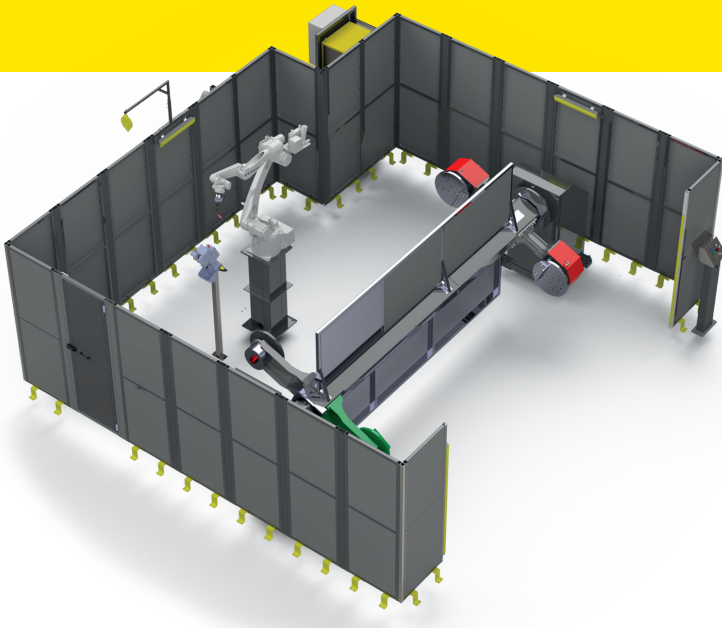
RTW-SR98 Codes

Only Structure	9999.9999
Integrated with the Aristo welding machine	9999.9999

ATTENTION

STANDARD TABLES - NO SWIVEL

Specifications

Front Filling Stations	02
Table Size (Inches)	98.0 x 29.0
Width	307 Inches
Height	83 Inches
Length	165 Inches
Weight	9500 lb
Table Load Capacity	2200 lb

165 Inches

83 Inches

307 Inches

307 Inches

R2008

R1830

86 Inches

ESAB proudly offers many components to support our integrator partners in building custom robotic cells.
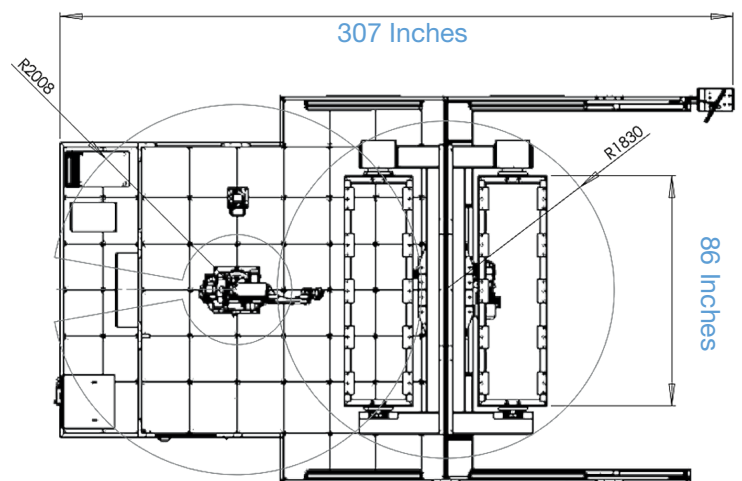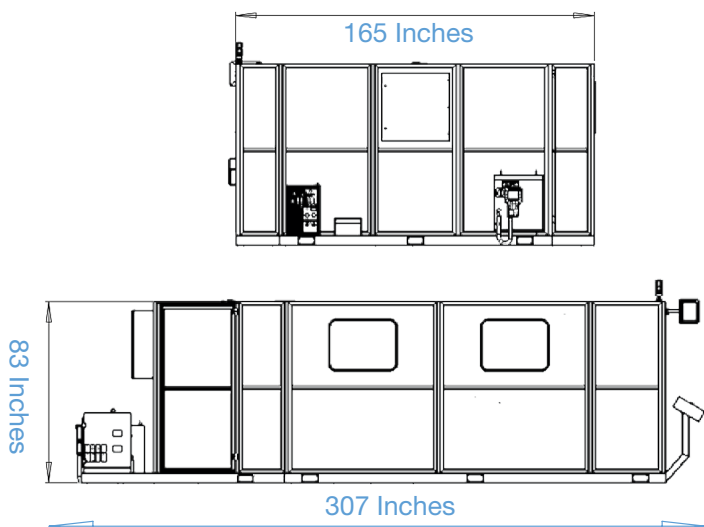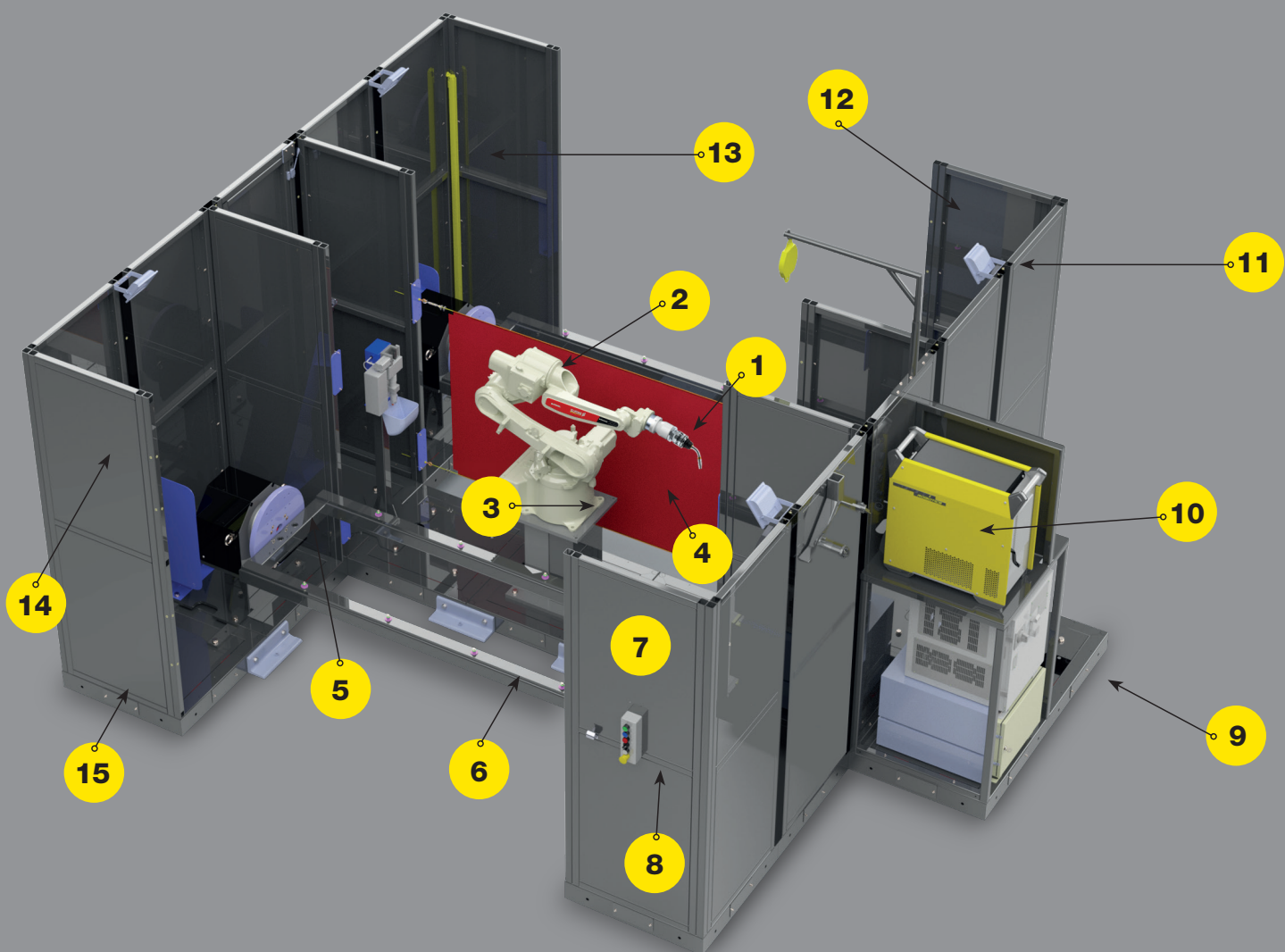
1 Torch

2 Universally compatible with major industrial robot brands

3 Octopuz Offline Robot Programming Software
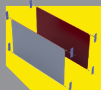
4 Fixed Welding Courtain

5 Head Stock

6 Table Square With Conic Bushings

7 Tail Stock

8 Control Panel

9 Rack for Robot Controller and Welding Machine

10 Welding Machine

11 Auxiliary Light

12 Metal Colun

13 Safety Sensor

14 Modular Metal Wall

15 Modular Square Base

POSITIONERS

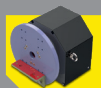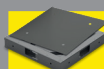## WELDING CAN BE CARRIED OUT IN THE MOST FAVORABLE POSITIONS, IMPROVING WELD BEAD PRODUCTIVITY AND QUALITY

Sumig positioners combine strength and process efficiency, enabling smooth, fast, and precise positioning. They also facilitate robot access to complex parts, enabling multi-stage welding in a single setup. Six models are available: P1S-500, P1S-1000, P1S-2000, P1S-3000, P1S-5000, and P1S-10,000.

HIGHLIGHTS

- High precision gearbox, offering accurate positioning during operation;
- Controlled by servomotors, they guarantee high dynamic movement;
- Machined flange with locking pins, offering precise tool interchangeability;
- Controlled by the robot, ensures safety for the robot arm;
- Smooth positioning due to RV gear without indexing pins.
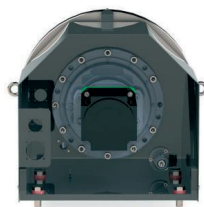
SPECIFICATIONS

	MODEL NUMBER			
	P1S-500	P1S-1000	P1S-2000	P1S-3000
Maximum Weight Supported	500 KG	1000 KG	2000 KG	3000 KG
Nominal Torque	490 (Nm)	980 (Nm)	1960 (Nm)	2940 (Nm)
Turning Diameter	1200 mm	1200 mm	1500 mm	3000 mm
Stop Position	360° programmable	360° programmable	360° programmable	360° programmable
Speed Rotation	15 rpm	10 rpm	10 rpm	10 rpm
ECOG (Max. Displacement) from the center of mass to the center of rotation.)	100 mm	70 mm	70 mm	150 mm

ESAB proudly offers many components to support our integrator partners in building custom robotic cells.

SPECIFICATIONS

	MODEL NUMBER
	P1S-5,000
Maximum Weight Supported	5000 KG
Nominal Torque	3956.7 (Nm)
Turning Diameter	3000 mm
Stop Position	360° programmable
Speed Rotation	8.6 rpm
ECOG (Max. Displacement) from the center of mass to the center of rotation.)	100 mm

SPECIFICATIONS

	MODEL NUMBER
	P1S-10,000
Maximum Weight Supported	10000 KG
Nominal Torque	19620 (Nm)
Turning Diameter	3000 mm
Stop Position	360° programmable
Speed Rotation	8.6 rpm
ECOG (Max. Displacement) from the center of mass to the center of rotation.)	200 mm
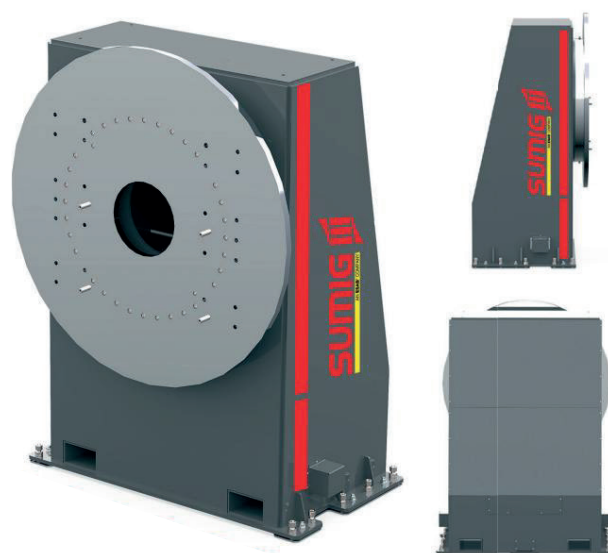
WELDCLOUD®
PRODUCTIVITY

InduSuite revolutionizes your shop's fabrication workflow with real-time insights across your entire fleet. It's the universal collection of welding and cutting software applications that connects data, machinery, and processes to optimize performance and unlock your shop's true potential.

ONE PLATFORM TO TRANSFORM YOUR ENTIRE OPERATION

InduSuite helps you take your production to the next level by completely optimizing your workflows. Our collection of software applications is compatible with all major welding, cutting, and robotics systems - from a single operation to multiple locations - for the best fabrication and performance results.

SUPERCHARGE YOUR WELDING PRODUCTIVITY

Ramp up your weld production with the WeldCloud Productivity app designed for welding operation and production managers. It provides the ability to analyze productivity of your operation by tracking metrics generated by the welding process, including arc-on time, number of weld sessions, wire and gas consumption, deposition rate, and more.

- Collect welding and consumption data from your power sources to the cloud
- Access the cloud application from any device with a web browser
- Visualize and analyze your welding data, productivity, and consumption
- Maintain high safety and reliability with this state-of-the-art cloud platform

HIGHLIGHTS
- Track your arc time factor and net deposition rate and many other welding metrics
- Easy to use and intuitive dashboard
- Powerful report / analytic functionality with report subscription
- Full weld traceability of actual, set, and tagged values
- Barcode/QR-code scanning for full traceability (operator, wire ID, wire batch, WPS, gas, etc.)
- Intuitive aggregation of welding data

INDUSTRIES
- Mobile Equipment
- Structural Steel Fabrication
- Petrochemical
- Offshore Oil
- Ship/Barge Building
- Windtower
- Transportation
- Power Generation
- Cryogenic
- Pipe Mills

COLLECT WELDING AND CONSUMPTION DATA FROM YOUR POWER SOURCES TO THE CLOUD

Gather the full range of your actual and set welding parameters easily by connecting to the WeldCloud platform via Wi-Fi or Ethernet cable. If you're not using an ESAB WeldCloud-native device, opt for the Universal Connector that enables almost any MIG/MAG or TIG power source to be connected to WeldCloud.

VISUALIZE AND ANALYZE WELDING DATA, PRODUCTIVITY, AND CONSUMPTION

From factory level down to single-machine and weld sessions, Productivity allows you to analyze it all. Get immediate insights into your current welding performance from predefined dashboards or create custom reports to analyze specific situations. Introduce scanning in your workflow to gain further traceability of materials, welds and operators

ACCESS CLOUD APPLICATION FROM ANYWHERE

View and analyze your welding data in real time from anywhere with WeldCloud Productivity – all you need is a device with a web browser. Plus, we make sure to keep the application up to date so you can focus on your operations.

MAINTAIN HIGH SECURITY AND RELIABILITY WITH A STATE-OF-THE-ART CLOUD PLATFORM

Manage your operation with confidence knowing that WeldCloud offers supreme reliability and security since it is built on Microsoft's Azure cloud-computing platform. Issues like wireless connection disruptions? No problem for WeldCloud – the devices continues to save data for up to one week and will restore when connection is re-established. Plus, all your data is backed up and password protected so you have complete control over access and permissions within your organization.

VISIT ESAB.COM FOR MORE INFORMATION

WELDCLOUD® ASSEMBLY

InduSuite revolutionizes your shop's fabrication workflow with real-time insights across your entire fleet. It's the universal collection of welding and cutting software applications that connects data, machinery, and processes to optimize performance and unlock your shop's true potential.

ONE PLATFORM TO TRANSFORM YOUR ENTIRE OPERATION

InduSuite helps you take your production to the next level by completely optimizing your workflows. Our collection of software applications is compatible with all major welding, cutting, and robotics systems - from a single operation to multiple locations - for the best fabrication and performance results.

REVOLUTIONIZING WELDING TRACEABILITY WITH WELDCLOUD ASSEMBLY

WeldCloud Assembly is a collaborative digitally enabled welding traceability software, designed to simplify your operations and enhance weld tracking. Get access to top-notch welding design, management, and innovative tracking software, all in one convenient platform.

- Connected Equipment: Sync welding gear to the cloud for real-time data and better collaboration.
- Effortless Management: Easily organize projects, parts, and welds from a central hub.
- Remote Monitoring: Keep an eye on welding details from afar, aiding quick decisions.
- Auto Alerts: Instant notifications for parameter deviations, ensuring quality standards

HIGHLIGHTS
- Welding data log with compliance to WPS
- Full weld traceability
- Project documentation storage
- Role-based permissions
- Multi-company support
- Bulk information editing
- Weld search with multiple filters

INDUSTRIES
- Power Generation
- Windtower
- Marine and Offshore
- Petrochemical
- Pipe Mills
- Pipelines
- Cryogenic
- Structural Steel Fabrication
- Ship/Barge Building
- Aerospace

GLOBAL DASHBOARD INSIGHTS

Access comprehensive statistics about your company effortlessly. Gain insights into platform usage, including total welds, parts, and assemblies. Evaluate repair performance globally or analyze specifics based on welder, assembly, WPS, or materials.

COMPREHENSIVE PROJECT DOCUMENTATION

Seamlessly upload and access various project documents in bulk. Utilize WeldCloud Assembly's welding management software to unlock project documentation insights, such as base material heat numbers, filler metal lots, post-weld heat treatment reports, and non-destructive test reports.

PROJECT PROGRESS UPDATE

Monitor essential metrics at a glance. View critical project metrics in one convenient location. Gain unprecedented insights into completed welds and parts, current stages of welds, and identify production bottlenecks.

AUTOMATED WELD COMPLIANCE

Automatically sync data from your equipment, directly linked to individual welds. Ensure automatic compliance through WeldCloud Assembly, which meticulously compares welding power source data with predefined WPS limits for swift corrective actions.

VISIT ESAB.COM FOR MORE INFORMATION

WELDCLOUD®
NOTES

InduSuite revolutionizes your shop's fabrication workflow with real-time insights across your entire fleet. It's the universal collection of welding and cutting software applications that connects data, machinery, and processes to optimize performance and unlock your shop's true potential.

ONE PLATFORM TO TRANSFORM YOUR ENTIRE OPERATION

InduSuite helps you take your production to the next level by completely optimizing your workflows. Our collection of software applications is compatible with all major welding, cutting, and robotics systems - from a single operation to multiple locations - for the best fabrication and performance results.

LEAVE YOUR WELDING DOCUMENTS TO US

And improve your welding engineer's productivity from the very first use. The Notes app takes the documentation of welding management off your plate, so you can spend your time doing more for your shop.

- Write WPS' based on your company's qualified PQRs
- Keep track of your welder qualifications and expiration dates
- Document all welds completed with full traceability
- Overview your production records from a dashboard and output them into a single PDF document automatically

HIGHLIGHTS

- WeldCloud Notes is a cloud based welding documentation platform to control all the procedure qualification records (PQRs), welding procedure specifications (WPSs), welder performance qualifications (WPQs) and maintain full traceability of welds.
- With code-checking and full support for ASME IX, AWS D1.1, AWS B2.1, ISO 15614-1 and ISO 9606-1, the WPSs written with Notes are guaranteed to be compliant to customer requirements and construction codes.
- Notes feature role based permissions, and multiple companies support, making it a tool for large corporations, small to medium sized businesses and consultants.

INDUSTRIES

- Pressure Vessels
- Pipe Construction
- Power Generation
- Offshore Oil
- Ship/Barge Building
- Civil Construction

WRITE WPSS BASED ON YOUR COMPANY'S QUALIFIED PQRS

With Notes, you can be sure that all your WPSs are written fully compliant with the PQRs based on your work's applicable welding standard. The app also provides alerts when any essential variable is above or below the approval ranges.

DOCUMENT ALL WELDS COMPLETED WITH FULL TRACEABILITY

Maintain a full weld traceability log of your projects. Notes allows you to introduce all the details from a weld, including base metals, filler metals, welders, and more. It's simple to upload and link any file to a specific weld on a project, keeping all your internal or external documents in one place for reference later.

EASILY OVERVIEW YOUR PRODUCTION RECORDS, AND EASILY EXPORT THEM

Monitoring all your production records from one dashboard is streamlined with Notes. Look to its dashboard to see if there are any bottlenecks or excess of repairs in your facility – and then put all your welding documents and details into one PDF report that can act as final project documentation or a progress update.

TRACK YOUR WELDER QUALIFICATIONS AND EXPIRATION DATES

Simply upload your welders and their qualifications into Notes for easy searching and management. Notes will even send you in-app and email reminders before a welder's qualifications expire, allowing you to attach NDT (non-destructive test) reports for evidence of their renewal. It's never been easier to track your welders and their qualifications.

FLOCLOUD

InduSuite revolutionizes your shop's fabrication workflow with real-time insights across your entire fleet. It's the universal collection of welding and cutting software applications that connects data, machinery, and processes to optimize performance and unlock your shop's true potential.

ONE PLATFORM TO TRANSFORM YOUR ENTIRE OPERATION

InduSuite helps you take your production to the next level by completely optimizing your workflows. Our collection of software applications is compatible with all major welding, cutting, and robotics systems - from a single operation to multiple locations - for the best fabrication and performance results.

TAKE CONTROL OVER YOUR GAS CONSUMPTION

It's time to take control over your gas consumption with real-time tracking & analytics. FloCloud was designed to help welders, fabricators, gas companies, and other gas consuming organizations to better understand their gas consumption and to help reduce costs through data analytics. FloCloud is a cloud-based gas monitoring software that enables you to monitor gas usage and track consumption trends across processes in real time. It provides the ability to instantly address issues and identify opportunities for gas savings.

- Track gas process parameters, set process limits, and track that gas parameters are within the specified range.
- Analyze gas consumption throughout your complete gas systems with easy-to-use dashboards and reports.
- Identify gas leakages and overconsumption to help you address issues immediately.
- Get notifications any time parameters are outside of limits.

HIGHLIGHTS

- Track your gas consumption per outlet point
- Track pressure at the gas source and at multiple points throughout your gas system
- Utilize the powerful InduSuite report functionality already seen in other applications such as WeldCloud and CutCloud
- Get notifications for potential leakages or other key situations where you need to take proper action
- Set and track flow-rate limits
- Build your own digital version of your gas systems

INDUSTRIES

- Shipbuilding
- Structural Steel Fabrication
- Petrochemical
- Yellow Goods
- Mobile Machinery
- Transportation
- Gas Distribution

VIRTUALLY MANAGE YOUR DIGITAL GAS SYSTEM

Build up your very own digital version of your gas manifold system, where you can monitor usage across processes and equipment, identifying and resolving issues in a timely manner. Combine WeldCloud and CutCloud enabled devices to FloCloud providing you with better insights into your entire workflow.

ROBUST DATA TO MAKE INFORMED DECISIONS

With FloCloud's easy-to-use dashboards and customizable report functionality, it's easy to get started, allowing you to focus on what is important, analyzing the data.

ACCESSIBLE DATA FROM ANYWHERE

View and analyze your gas monitoring data in real time from anywhere with the FloCloud application – all you need is a device with a web browser. Plus, we make sure to keep the application up to date so you can focus on your operations.

REAL-TIME INSIGHTS & OPTIMIZATION

FloCloud's gas monitoring software solution seeks to give you control over your gas consumption. By identifying issues, leakages, and overconsumption trends in real time, FloCloud empowers you to take control of your gas usage. Build rules and set up notifications to receive instant notifications & real-time data help you get ahead of anything that might have caught you off guard in the past, thus protecting your bottom line.

OCTOPUZ

InduSuite revolutionizes your shop's fabrication workflow with real-time insights across your entire fleet. It's the universal collection of welding and cutting software applications that connects data, machinery, and processes to optimize performance and unlock your shop's true potential.

ONE PLATFORM TO TRANSFORM YOUR ENTIRE OPERATION

InduSuite helps you take your production to the next level by completely optimizing your workflows. Our collection of software applications is compatible with all major welding, cutting, and robotics systems - from a single operation to multiple locations - for the best fabrication and performance results.

OCTOPUZ Offline Robot Programming (OLRP) software enables complex robot applications to be programmed in a virtual, offline environment, without disruption to your manufacturing process and without the need for an onsite programming expert. OCTOPUZ programs multiple robot brands, configurations, and applications together and outputs code for use in real world industrial applications.

HIGHLIGHTS
- Maximize robot ROI by programming complex applications quickly
- Reduce production downtime by never taking the robot offline
- Learn quickly and reduce complexity with a simplified user experience
- Access from anywhere with flexible user-based accounts
- Automatically detect and avoid robot errors
- Optimize robot programs to reduce cycle time
- Create accurate robot code for multiple robot brands on a single platform

INDUSTRIES
- Mobile Equipment
- Structural Steel Fabrication
- Petrochemical
- Offshore Oil
- Ship/Barge Building
- Windtower
- Transportation
- Power Generation
- Cryogenic
- Pipe Mills

EFFORTLESS ROBOT PROGRAMMING, EVERY TIME.

Program multiple robots simultaneously, with support for many different robot brands in unique configurations. Regardless of robot brand, the programming process is identical. With OCTOPUZ, you're guaranteed to reduce your programming time with simple, effective tools which put your robot exactly where you need it.

FOCUSED WELD PLANNING.

OCTOPUZ has a dedicated workflow for your next weld sequence with precision. Whether you're welding a few simple joints or managing a large and complex weld part, the intuitive interface ensures you can easily visualize and define every weld path. Focus on what matters most – optimizing your part's design and ensuring each weld is perfectly planned before you even start programming the robot.

SIMULATE AND OPTIMIZE ROBOT PROGRAMS.

Before your robot program is deployed to production, make sure everything is flawless. OCTOPUZ has advanced simulation tools that allow you to virtually test and refine your robot programs, ensuring that each movement is error-free and efficient. You can easily identify potential collisions, optimize robot paths, and validate your setup – all in a virtual environment – giving you the confidence to push your programs directly into production with minimal downtime.

CREATE ACCURATE ROBOT CODE READY FOR IMMEDIATE PRODUCTION.

Quickly generate your ready-to-run robot code in your robot brand's unique language. Once your program is finalized, it's ready for immediate production – no time wasted on manual adjustments or troubleshooting. Simply load it onto the robot and start producing with confidence.

VISIT ESAB.COM FOR MORE INFORMATION

ESAB / esab.com

GLOBALLY CERTIFIED
MANAGEMENT SYSTEMS

SAFETY • QUALITY • ENVIRONMENT • HEALTH