



ROBOTIC CELL

RTW-SD88





Recommended for welding medium and large parts with high productivity



Developed with Sumig ConectPRO technology, integrated with Industry 4.0

1

Allows the use of up to two robots within the cell

2

Side feeding, facilitating operator access

3

Possibility of implementing fixed tables or a rotary system

4

Uses robot and power source from the same manufacturer, ensuring perfect communication and synchronization

5

MANUFACTURED IN BRAZIL

COMPLIANT WITH NR-10, NR-12 and NR-17

Prepared for Industry 4.0

The **RTW-SD88** robotic cell features two workstations and provides ample space for welding medium and large parts. A monitor can be integrated to display the Teach Pendant screen, enabling interaction with additional details. With internal or external curtains, it is recommended for welding cylindrical parts, pipes, among others.

Founded in 1980, Sumig is a leader in welding solutions in Latin America. We are pioneers in the development of smart products for Industry 4.0. The RTW-SD88 was developed with Sumig ConectPRO technology, making the equipment ready for the future.

Through this technology, the operator has access to important information about the welding process. In addition, new components can be added later to expand its capabilities, such as additional sensors, barcode readers, scales, part-handling robots, among others.

The torches used in our projects are manufactured in Brazil, allowing quick replacement of consumables, in addition to ensuring the quality and reliability of the Sumig brand. Robots and welding power sources are supplied by OTC, a global leader in the manufacturing of components for robotic welding.

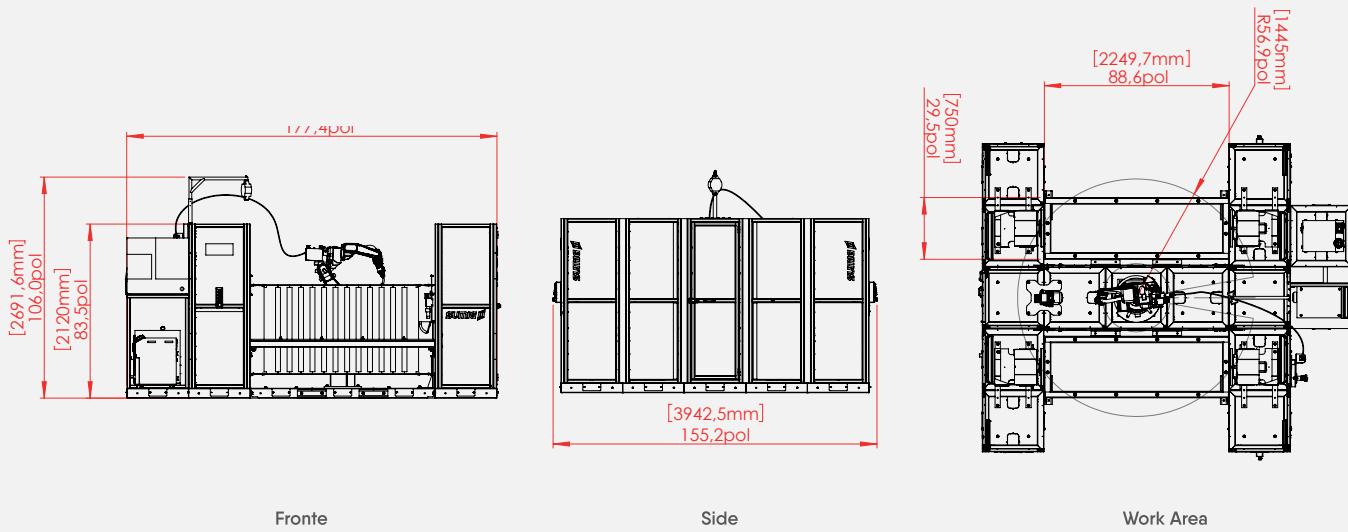
Technical Data

| | |
|--|-----------------------------------|
| Table Size (Inches) | 88.58 x 29.52 |
| Table load capacity | 2204.62 lb |
| Maximum current allowed for welding power source | 63 A |
| Maximum current allowed for robot controller | 16A |
| Power supply | 220 V a 380V Three-phase |
| Weight | 6239.08 lb |
| Power | 26 KVa |
| Pressure | 6 Bar |
| Flow rate | 8,8 L\s |
| Overall dimensions (W x L x H) | 178.58 in x 155.19 in x 106.29 in |
| Size in in ² | 21700 in ² |

Included in the Package

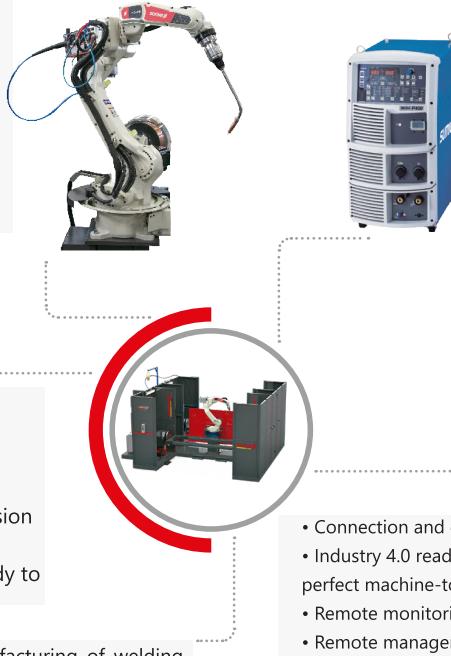


Technical Dimensions



PERFECT SYNCHRONIZATION IN THE WELDING PROCESS

- Fastest robot on the market;
- Modern design with high mobility, without cable interference, facilitating welding in confined spaces;
- Fully versatile, ready for all welding applications;
- Welding cables integrated into the robot, increasing protection and facilitating access;
- Robot designed exclusively for welding;
- Functional and easy-to-learn programming.



- Torch with 100% national manufacturing;
- Fast replacement of consumables;
- More than 100 micro-splash variations;
- High durability and optimized performance;
- Manufactured with high-impact and high-precision machined parts;
- Anti-shock system integrated into the torch body to protect the robot.

OTC is a global leader in the manufacturing of welding robots and power sources, operating since 1919, with broad application, high performance, customized services, and industry-leading technical support.



- Sumig cells use OTC welding power sources equipped with artificial intelligence technology. They weld up to 40% faster than comparable systems and are the most widely used power sources for robotic welding worldwide.
- Enables high-precision welding with excellent quality in any type of application, without spatter.
- Provides optimized waveform control according to the type of base metal being welded.
- Ensures perfect arc stability, even during high-speed welding.
- High duty cycle for high-performance and automated applications.
- The fastest power source on the market, welding up to 40% faster than similar models.

**TECNOLOGIA
CONECT PRO
INDÚSTRIA 4.0**

- Connection and cooperation of the entire integrated system at high speed;
- Industry 4.0 ready – uses a universal data communication language, providing perfect machine-to-machine communication;
- Remote monitoring of the welding process;
- Remote management of information from anywhere in the world;
- Fast expansion and customization of peripherals and devices to increase production capacity;
- Centralized information management;
- Remote access for higher speed in equipment support and maintenance.

TRIPLE YOUR PRODUCTION WITH SUMIG CELLS AND TAKE YOUR COMPANY TO THE NEXT LEVEL*



Reduction of production process costs;



Higher productivity and welding quality;



100% Sumig project design and execution ensure greater reliability and faster implementation;



Established brand with over 40 years of know-how in welding, ensuring long-term support and reliability;



Easier programming and operation compared to other systems on the market, optimizing production and training time.

Standard Manual Welding



Sumig Robotic Welding



Improve weld quality and definitively solve the shortage of skilled labor!



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