



ROBOTIC CELL

# RTW-SD44





***The best cost-benefit solution on the market to get started in robotic welding***



**MANUFACTURED  
IN BRAZIL**

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

**Prepared for  
Industry 4.0**

Developed with Sumig ConnectPRO technology, integrated with Industry 4.0

**1**

Compact size and optimized layout

**2**

Short supply path for the operator

**3**

Ready for welding, easy implementation

**4**

Protective curtain between the two stations

**5**

The **RTW-SD44** cell allows for quick installation and features straight tables, making it ideal for an optimized production line. It has two workstations that facilitate material handling, combined with a compact footprint.

Founded in 1980, Sumig is a leader in welding solutions in Latin America. We are pioneers in the development of intelligent products for Industry 4.0. The RTW-SD44 was developed with Sumig ConnectPRO technology, making the equipment ready for the future. Through this technology, the operator can access important information about the welding process. In addition, new components can be added later to expand system capacity, such as extra sensors, barcode readers, weighing systems, handling robots, among others.

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

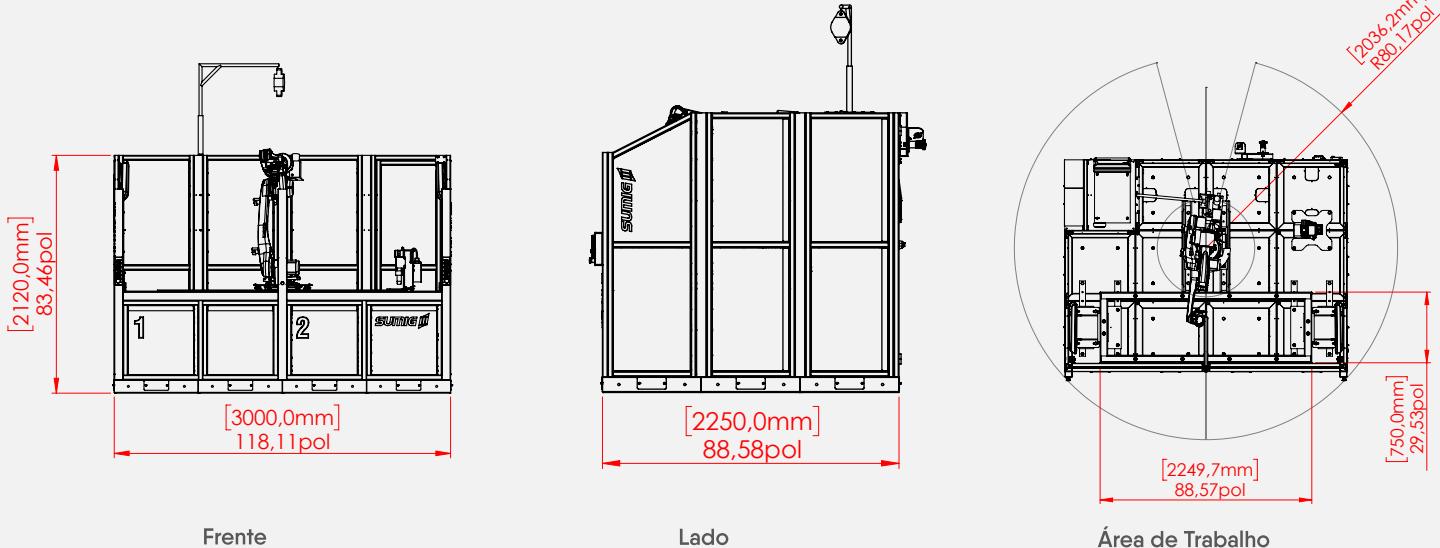
#### Technical Data

<b>Table Size (Inches)</b>	39.37 x 29.52
<b>Table load capacity</b>	1102.31 lb
<b>Maximum current allowed for welding power source</b>	63 A
<b>Maximum current allowed for robot controller</b>	16A
<b>Power supply</b>	220 V a 380V Three-phase
<b>Weight</b>	4409.28 lb
<b>Power</b>	26 KVA
<b>Pressure</b>	6 Bar
<b>Flow rate</b>	8,8 L\ s
<b>Overall dimensions (W x L x H)</b>	118.56 in x 97.55 in x 106.29 in
<b>Size in in<sup>2</sup></b>	18879,038 in <sup>2</sup>

**Included in  
the Package**

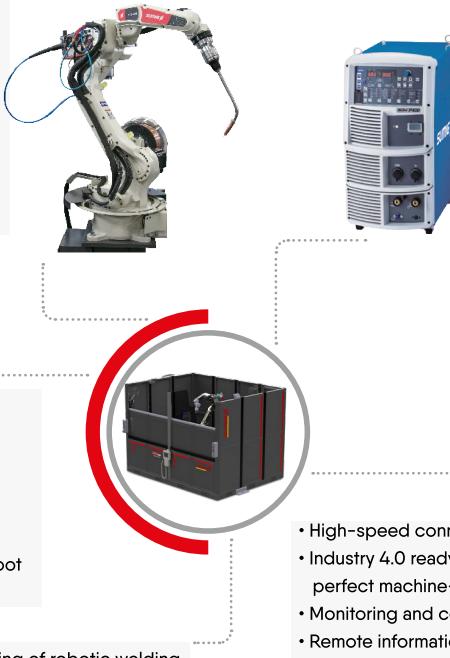


## Technical Dimensions



## 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 programming with easy learning curve.



- Sumig cells use OTC welding power sources featuring nanotechnology and artificial intelligence. They weld up to 40% faster than similar systems, making them the fastest power sources on the market;
- High welding precision with excellent quality in any type of application, without spatter;
- Intelligent control that automatically adjusts according to the type of material being welded;
- Perfect arc stability, maintained throughout the entire welding process;
- High welding speed, ideal for high-performance and automated applications;
- The fastest welding power source on the market, welding up to 40% faster than comparable systems.

- Torch with 100% national manufacturing;
- Fast replacement of consumables;
- More than 100 micro-spatter variations;
- High durability and optimized performance;
- Manufactured with high-impact-resistant, precision-machined components;
- Anti-shock system integrated into the torch body for robot protection.



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

- TECNOLOGIA CONECT PRO INDÚSTRIA 4.0**
- High-speed connection and cooperation of the entire integrated system;
  - Industry 4.0 ready – uses a universal data communication language, enabling perfect machine-to-machine connectivity;
  - Monitoring and control of the entire welding process;
  - Remote information management from anywhere in the world;
  - Fast expansion and customization of peripherals and devices to increase production capacity;
  - Personalized information management;
  - Remote access for faster 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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**THE WELDING THAT TRANSFORMS**