

COBOT METALWORKING, MADE EASY.





ABOUT US

We are an autonomous industrial solutions company based in Korea, who believe the future of welding and metalworking is Cobots.

With a focus on software and hardware for cobot applications, we help partners build successful cobot businesses.

WHY COBOTS?

We believe conventional industrial robots have been, and always will be, a crucial part of fabrication. However, they require dedicated cells, and are hard and expensive to re-program, **making them challenging** to address high-mix, low-volume fabrication.

That's where cobots come in.

We offer welding & metalworking software and hardware systems to our partners around the globe, who then build tailored solutions for their customers.

Our work revolves around providing **faster, easier, cost effective automation for shops with an ever-growing need for skilled labor, and higher quality.**

RBW IN NUMBERS

1 Korea's Top-selling
Cobot Welding System

9 Distinct Cobot Systems

14 Local Partners

3 Hours Training to
Full-scale Production

20 Years of Experience
in Robotic Welding

20 Seconds to Teach
a 20cm Weld

Our Partnership With Rainbow Robotics

RBW is a proud technical partner of Rainbow Robotics, inventors of the award-winning HUBO humanoid robot, majority-owned by Samsung Electronics. Rainbow's experience in humanoid robots gives them extensive know-how and experience on complex robotic components, ensuring lasting quality and a cutting-edge technology.

Samsung Electronics' investment in the company in 2024 is a guarantee of more improvements and innovations to come.



PRODUCTS

WELDING SOLUTIONS



METAL REMOVING SOLUTIONS



OTHER SOLUTIONS



The **RB-MIG** is a market-leading MIG welding system, designed for fabricators, renowned for its ease of use.

STANDART FEATURES



RB-RING

Teaching flange for programming with the press of a button



Weaving

Precision heat control for consistent welds



Touch Sensing

Ensures consistent weld quality even with part discrepancies



Offset

Reduces programming time with copy and paste functionality



Program Scheduler

Enhances efficiency by scheduling program sequences

INDUSTRIES



General Fabrication Shops



Steel & Aluminum Structure Manufacturers



Pipe Spool & Skid Manufacturers



Hardfacing Shops



Ship Machinery & Parts Manufacturers



Industrial Machinery Manufacturers



Heavy Machinery Parts Manufacturers



Material Handling Equipment



Grating & Fencing Manufacturers



Automotive Parts Manufacturers



Defence Industry Fabricators



Furniture Fabricators

Cobot TIG welding, done right. **RB-TIG** is made for fabricators looking to automate TIG welding in a user-friendly way.

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Pipe Spool & Skid Manufacturers



Hardfacing Shops



Ship Machinery & Parts Manufacturers



Industrial Machinery Manufacturers



Heavy Machinery Parts Manufacturers



Grating & Fencing Manufacturers



Automotive Parts Manufacturers



Defence Industry Fabricators



Furniture Fabricators

Automated laser welding, delivering unmatched speed and accuracy for seamless sheet metal fabrication.

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INDUSTRIES



General Fabrication Shops



Architectural Metal Structure Manufacturers



Electrical Box Manufacturers



Industrial Kitchen Equipment



Ship Machinery & Parts Manufacturers



Industrial Machinery Manufacturers



Heavy Machinery Parts Manufacturers



Electronic Fabricators (Battery Casing)



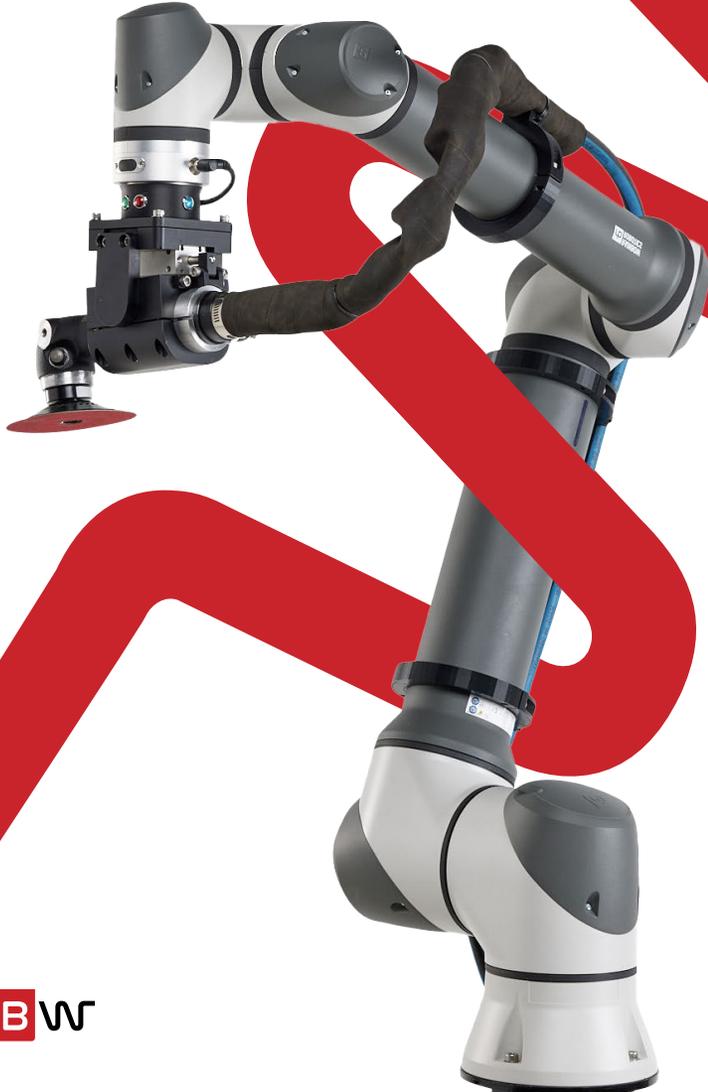
Automotive Parts Manufacturers



HVAC Systems Manufacturers



Cleaning Industry



Effortless, high-speed grinding designed to deliver consistent finishes, helping shops achieve perfect results every time.

STANDART FEATURES



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General Fabrication Shops



Steel & Aluminum Structure Manufacturers



Pipe Spool & Skid Manufacturers



HVAC Systems Manufacturers



Ship Machinery & Parts Manufacturers



Industrial Machinery Manufacturers



Heavy Machinery Parts Manufacturers



Aerospace Parts Manufacturers



Grating & Fencing Manufacturers



Foundries



Defence Industry Fabricators



Furniture Fabricators

Fast and flawless deburring that smooths the roughest edges, leaving every piece well-finished and ready for use.

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General Fabrication Shops



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HVAC Systems Manufacturers



Ship Machinery & Parts Manufacturers



Industrial Machinery Manufacturers



Heavy Machinery Parts Manufacturers



Aerospace Parts Manufacturers



Grating & Fencing Manufacturers



Defence Industry Fabricators



Furniture Fabricators



An automated brushing system for surface preparation, ensuring consistent finishes that enhance product quality.

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Steel & Aluminum
Structure Manufacturers



HVAC Systems
Manufacturers



Ship Machinery &
Parts Manufacturers



Industrial Machinery
Manufacturers



Furniture
Fabricators



A plasma cutting system that boosts productivity and precision, all in one easy-to-use system.

STANDART FEATURES



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Structure Manufacturers



HVAC Systems
Manufacturers



Industrial Machinery
Manufacturers



Defence Industry
Fabricators



Grating & Fencing
Manufacturers

TARGET END-USERS FOR ALL
RBW SYSTEMS:

HIGH-MIX, LOW-VOLUME FABRICATORS

Cobot systems shine when the end-user fabricates a large mix of parts in low volumes thanks to their ease in programming.



WHY RBW?



Windows & Android based Software

Easy integration, workplace apps, familiar OS.



Specialized Cobot

3kg payload, 1200mm reach for MIG welding.



Multi-use

MIG, laser welding, and grinding with one license.



Durable Cobots

IP66 rating, aluminum joint caps.



Wireless Pendant

Rare offering in the market.



Efficient Programming

No mode switching (air/weld), faster robot programming.



Program Scheduler

Unlock up to 4x productivity.



Nozzle-based Touch Sensing

Compatible with any machine, unaffected by wire bending.



Welding Machine Agnostic

Works with welding machine choice of yours.



New RB20 Model

20kg payload, 1900mm reach, welding dedicated.

FEATURES



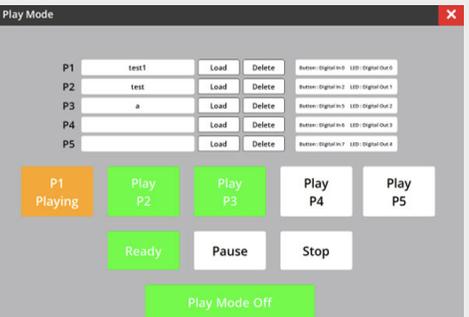
Windows-based, Wireless Control Pendant

The RBW software runs on the Windows operating system. Users are free to choose any Windows system they like, from tablets to panel PC'S.



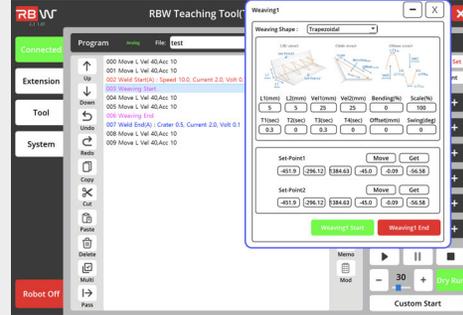
RB-RING

The RB-RING is an essential part of the RBW system; enabling an intuitive robot teaching experience, reducing teaching times significantly.



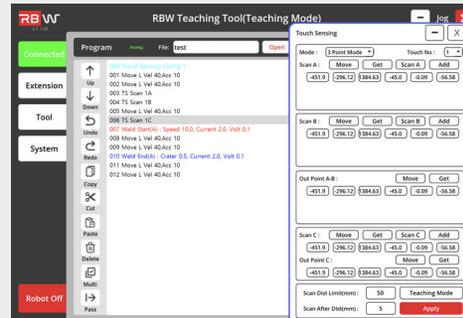
Program Scheduler

The RBW Program Scheduler is designed for users to schedule different program sequences and execute them in an order of their choice, enabling building of customized cells, and low-downtime work sequences.



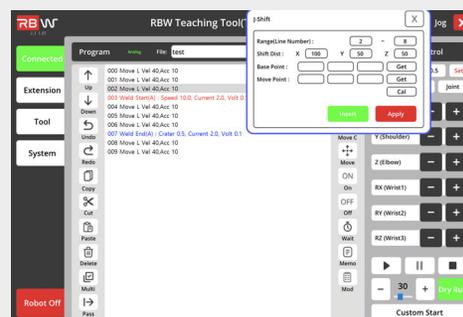
Weaving

Controlling heat input is crucial when welding thick material. The RBW software offers a wide variety of weaving patterns and parameters to address your weaving needs.



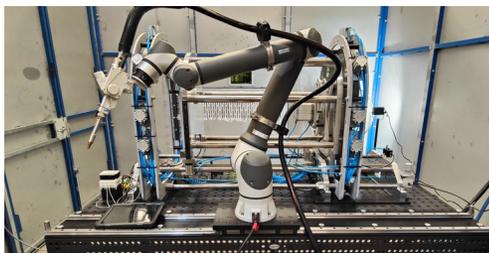
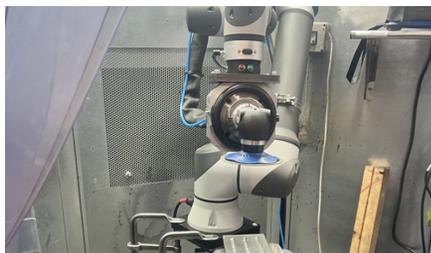
Touch Sensing

The RBW touch sensing feature utilizes the torch nozzle to detect small discrepancies in part geometry, and is a default feature on the RB-MIG, regardless of the welding machine used.



Offset (Copy & Paste) Function

The RBW Offset / Copy & Paste feature significantly reduces programming time for groups of identical workpieces with the shift, copy, cut and paste functions, available with all RBW systems.



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