

POINT. CLICK. WELD.
ROBOTIC WELDING
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.**

WHY RBW?



Proprietary Welding Software

Stand-alone android app - easy integration, familiar OS.



Purpose-built Hardware

Up to 1900 mm reach, IP66 rating, aluminum joint caps.



Multi-use

Welding, grinding, and plasma cutting with one license.



One Time Investment

Lifetime software updates, all features included, no recurring fees.



Wireless Pendant

Rare offering in the market.



Tailored Solution, Local support

We tailor the solution to your needs with local and lifetime support.



Program Scheduler

Unlock up to 4x productivity by sequencing welding jobs.



Efficient Programming

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



Welding Machine Agnostic

Works with the welding machine of your choice.



Weld Adjust

Change welding parameters during the welding process, without interruption.

**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.



RBW IN NUMBERS

1

Korea's Top-selling
Cobot Welding System

9

Distinct Cobot Systems

20+

+

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.



SAMSUNG



FEATURES



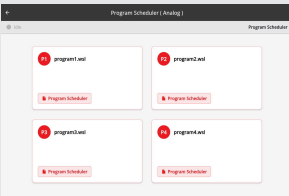
Android-based, Wireless Control Pendant

The RBW software runs on the Android operating system. Users are free to choose any Android device they like, from tablets to panel PCs.



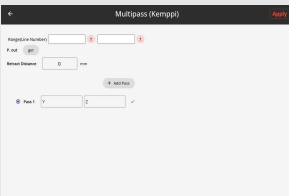
RB-RING

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.



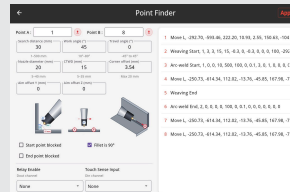
Multi-pass

Thick joints and demanding weld geometries often require more than one pass to reach full penetration and meet quality standards. RB-X supports multi-pass welding natively — operators program sequential passes within the same workflow, each pass building on the last.



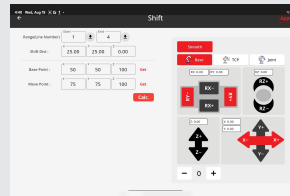
Weaving

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.



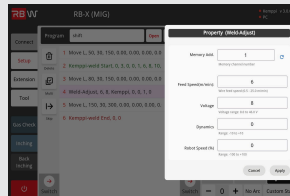
Point Finder

The RBW Point Finder 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.



Weld Adjust

Weld Adjust lets the operator change current, voltage and travel speed live during welding, without interrupting the arc. With a fieldbus interface, the welding process can be switched mid-pass too, keeping every weld continuous and adaptive.

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



Point Finder

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



Multi-pass

Weld thick elements with multiple layers easily, with or without weaving.



Weld Adjust

Change welding parameters during the welding process, without interruption.

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



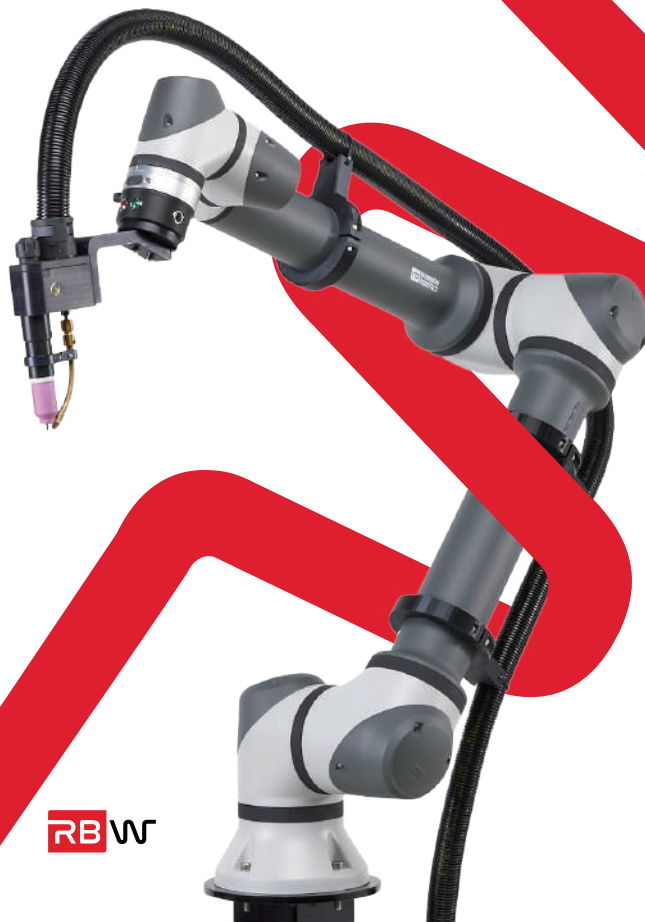
Automotive Parts Manufacturers



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.

STANDART FEATURES



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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



Grating & Fencing Manufacturers



Automotive Parts Manufacturers



Defence Industry Fabricators



Furniture Fabricators

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

STANDART FEATURES



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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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Teaching flange for programming with the press of a button



Weaving

Precision heat control for consistent welds



Offset

Reduces programming time with copy and paste functionality



Program Scheduler

Enhances efficiency by scheduling program sequences



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

PRODUCTS

METAL REMOVING SOLUTIONS RB-DEBURR

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

STANDART FEATURES



RB-RING

Teaching flange for programming with the press of a button



Weaving

Precision heat control for consistent welds



Offset

Reduces programming time with copy and paste functionality



Program Scheduler

Enhances efficiency by scheduling program sequences



General Fabrication Shops



Steel & Aluminum Structure Manufacturers



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.

STANDART FEATURES



RB-RING

Teaching flange for programming with the press of a button



Weaving

Precision heat control for consistent welds



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Reduces programming time with copy and paste functionality



Program Scheduler

Enhances efficiency by scheduling program sequences



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



RB-RING

Teaching flange for programming with the press of a button



Weaving

Precision heat control for consistent welds



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Reduces programming time with copy and paste functionality



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Enhances efficiency by scheduling program sequences



Steel & Aluminum
Structure Manufacturers



HVAC Systems
Manufacturers



Industrial Machinery
Manufacturers



Defence Industry
Fabricators



Grating & Fencing
Manufacturers

WELDING MACHINE INTEGRATIONS

RBW systems are welding machine agnostic and work with any welding machine, at varying levels of integration. The brands and models below have established Fieldbus integrations.



EUROPE

Aristo 500ix
Aristo Mig 4004i
EDGE R

Ethernet/IP
Ethernet/IP
ModbusTCP



FINLAND

X5
Master M

ModbusTCP
ModbusTCP



AUSTRIA

TPS/i

ModbusTCP



GERMANY

Phenix XQ
Titan XQ

Ethernet/IP
Ethernet/IP



TURKEY

XM Series
MX Series

ModbusTCP
ModbusTCP



UK

APT+

ModbusTCP



ITALY

PowerPulse

ModbusTCP

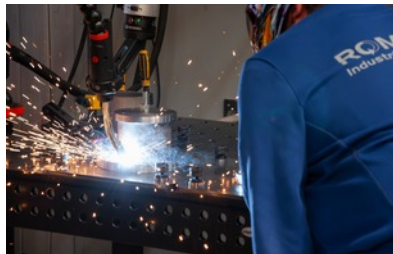
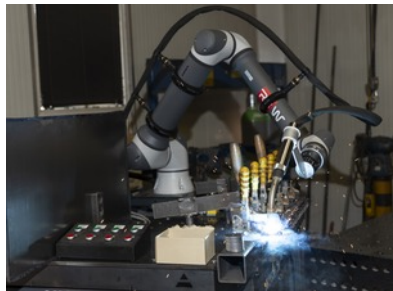
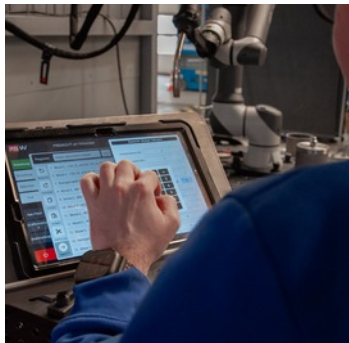


CHINA

MegWave

Ethernet/IP

All integrations over Fieldbus.



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YOUR NEW, INTUITIVE WELDING TOOL.



For Your
Inquiries



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