



Narrowest and flexible
The narrowest hollow double support structure is more flexible.

Large hollow structure
built-in welding torch and welding cable, no external interference.

Durable workmanship
High-quality cast aluminum technology, and high rigidity.

Good adaptability
The 14-pin interface is suitable for any type of welding power source.

Longer service life
The pipeline bag is protected by a steel spring, which is durable, wear-resistant and easy to maintenance.

Cleaner surface
Smooth white colour surfaces to avoid dust, and also make worker more care robots.

Fast and Accurate Welding Robot

1 The richest welding process package in the industry

- Arc tracking to prevent workpiece deformation during welding;
- Swing welding, support multiple swing modes, support attitude swing;
- Professional welding torch TCP calibration tool;
- Point laser positioning, welding wire positioning;
- 3D visual weld recognition can be integrated.

2 Multi-external axis linkage system

- It can support various external axis modes, and can support up to 6+8 axis of linkage at the same time.

Efficient and Reliable Welding Robot

- High efficient production capacity: BAYKAL robot is 20% faster moving than other Chinese brands.
- High-precision moving ability, to promise accurate welding works.
- Stable and reliable production capacity.



• Laser dedicated robot body (optional)

BR10iG-14

BR20iG-16

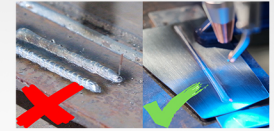
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• CCD Observation

Welding result path visualization guarantees perfect welding and protects eyes.



• Integrated Push-pull wire feeder (optional)



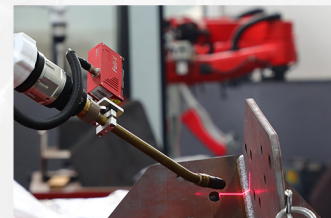
Wire retraction function ensures clean welding

Compact feeder design, clean and neat, avoidance of interference

Automatic wire feeding, avoiding manual adjustment before welding, save time and improve efficiency

• Laser positioning and laser tracking

Data collection is relative to the robot path for complete process analysis (optional)



• Laser Source (optional)

Laser generator brand



Raycus



Max



Reci

Laser power

1000W

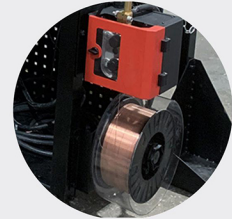
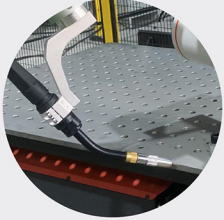
1500W

2000W

3000W

• Welding Table

The welding platform is made of high-quality materials, and its tensile strength, hardness, and wear resistance can meet the welding requirements.



• Welding Torch

The welding torch, which has been specially developed for welding cobots. The consumable parts of the welding torch are more durable and cost-effective.

• Wire Feeder

The wire feeder is specially designed for robotic welding systems. Small size and lightweight. It has the advantages of high precision of wire feeding, good wire feeding stability, and a small influence of wire feeding resistance.

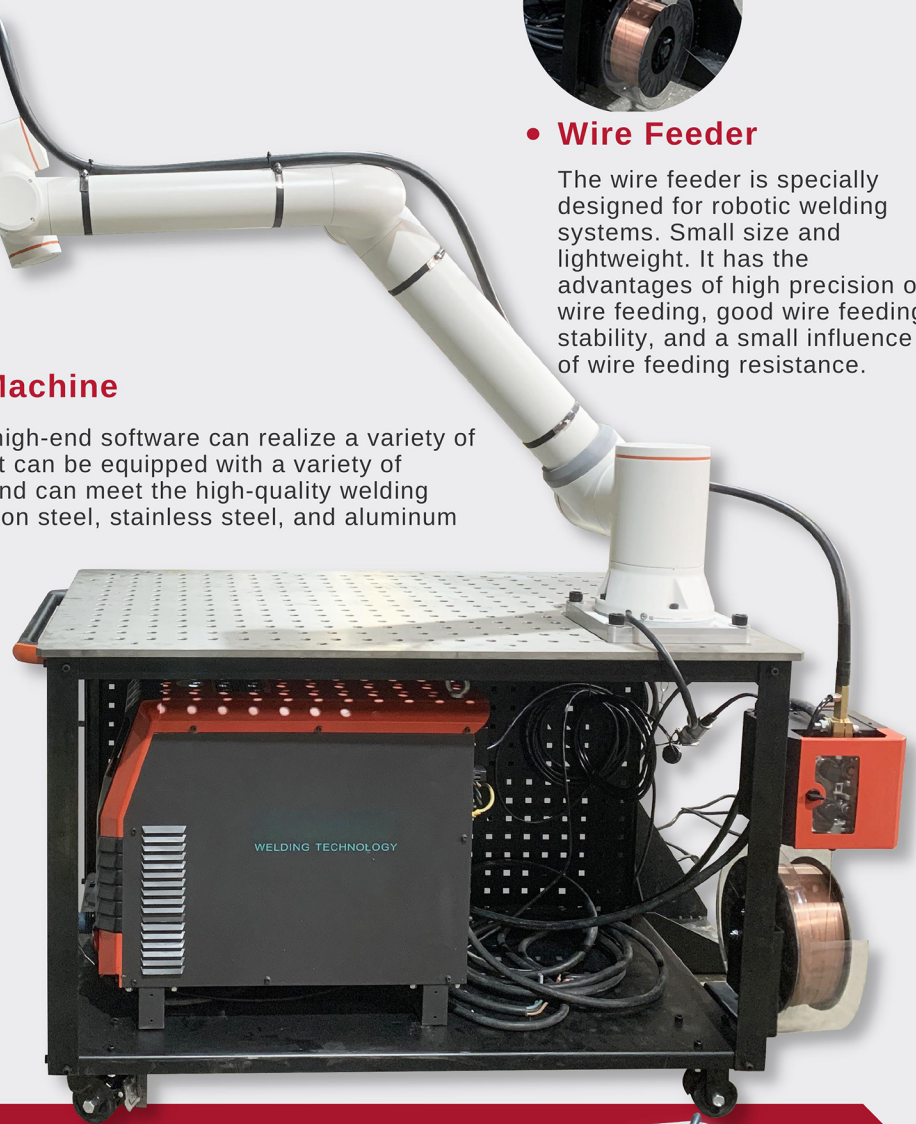
• MIG Welding Machine

The combination of high-end software can realize a variety of welding processes. It can be equipped with a variety of welding databases and can meet the high-quality welding requirements of carbon steel, stainless steel, and aluminum alloys.



• Cleaner Surface

Smooth white colour surfaces to avoid dust, and also make worker more care robots.



COBOT WELDING

Save up to 60% of the time and 70 % of costs

Fast, efficient and flexible

Cobot welding Automation is easier than expected

