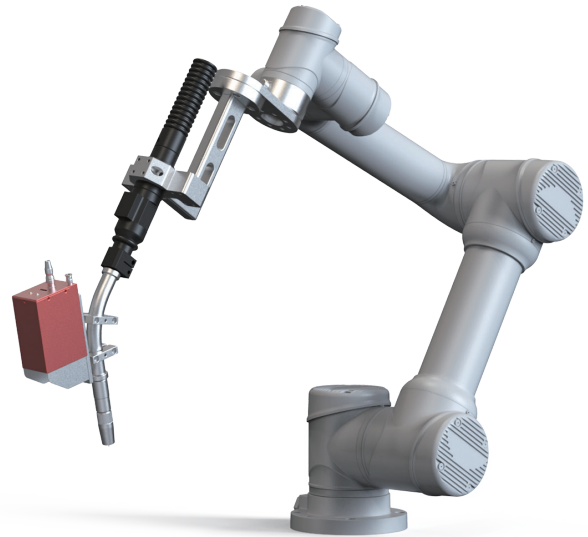


AUBO WELDING WORKSTATION



OUR ADVANTAGES

- 01 Simple layout, flexible movement** Unlike traditional welding robots, the AUBO welding workstation is compact and easy to move. It can be combined with a magnetic base, gantry, truss, etc. Suitable for quick switching in welding scenes with small batches and a variety of products, deployment can be completed in 10-15 minutes.
- 02 Easy-to-use welding software** Combining welding technology and practical experience, the parameters are simplified, and the settings are digitalized. Ordinary workers can also complete welding tasks with different trajectories, materials, and process requirements through the parameter setting interface, meeting most welding scenarios.
- 03 Low cost, high return on investment** The core components are made in China, with an average investment payback period of 6-12 months.
- 04 Equipped with a 6D mouse, efficient and smooth dragging** Equipped with a self-developed 6D mouse with a patented design, it is easy to operate and highly controllable, greatly improving the precision of the collaborative robot's drag teaching; an integrated vision function is optional, with an integrated design, realizing drag-free vision-guided teaching.
- 05 Safety and stability are guaranteed** Supports Level 10 collision detection and sensor safety checks, ensuring the end doesn't drop when powered off, making the product safe and stable.
- 06 High precision** Millisecond-level system response speed ensures positioning accuracy, with a repeat positioning accuracy of up to $\pm 0.1\text{mm}$.

PARAMETERS

Robot

Degrees of Freedom	6
Reach	886.5mm
Payload	5kg
Weight	24kg
Mounting Surface Diameter	φ172mm
Repeatability	±0.05mm
Liner Velocity	≤3.4m/s
Average Power	200W
Peak Power	1500W
Ambient Temperature	0-50 C
Ambient Humidity	90% RH (Non-condensing)
Installation Orientation	Any ceiling, floor, wall
IP Classification	IP54

INDUSTRY APPLICATIONS

- Steel Structure Industry
- Shipbuilding Welding
- Heavy Machinery Welding
- Bridge Welding
- Coal Mining Industry
- Aerospace

SUCCESS CASES

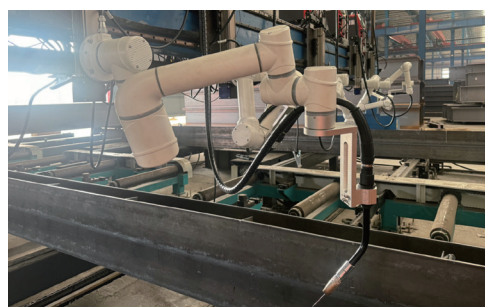
Welding in the Steel Industry

A large steel factory uses AUBO Robotics welding workstations. These robots are lightweight, flexible in movement, and capable of quick layout changes. They can complete the welding layout for new products in just 10 minutes. A single operator can manage multiple welding robots, saving on labor costs.



Ship Welding

Thanks to the compact size, AUBO Robotics welding workstations can enter the narrow and hot spaces of shipbuilding workshops to perform welding tasks. While increasing welding efficiency, they also ensure the quality of welding.



Disclaimer:

1. The content of this product catalog may change without prior notice.
2. This product catalog is the copyrighted work of our company. Rights are reserved by us. When reprinting or quoting the content of this catalog, please indicate the source. Unauthorized reproduction is not allowed and will be considered infringement, subject to legal accountability.