

Robot Welding Solution



Admetal's Welding Cobot Solution is designed to transform welding operations. It enhances precision, reduces errors, and ensures consistent, high-quality welds.

Components

- ◆ Cobot
- ◆ Control Pad
- ◆ Magnetic Base
- ◆ Movable Base
- ◆ Welding Machine
- ◆ Wire Feeder
- ◆ Welding Torch
- ◆ Water Cooling Unit

Welding Technology

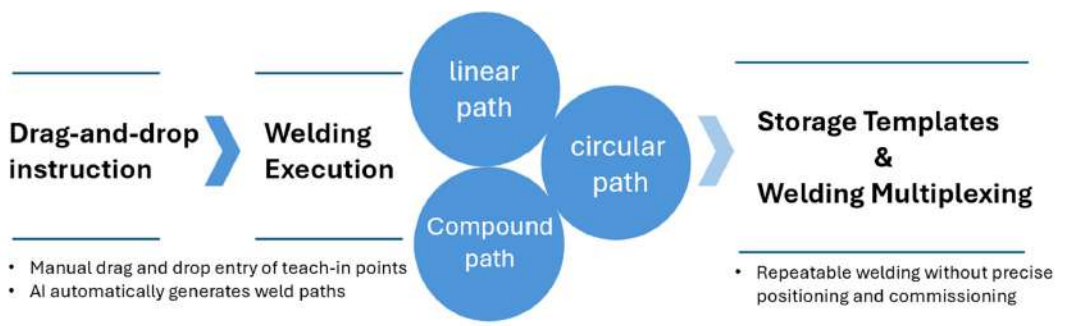


Bevel multipass welding Multipass welding Corner welding Solid wire welding Flux-cored arc welding

- ◆ Real-time Adjustment: Adjust speed, current, voltage, and oscillation during welding.
- ◆ 8 Oscillation Modes: Supports various modes for different welding conditions.
- ◆ Custom program library: Up to 99 parameter sets per trench type.

Operation

Two-step welding operation One template, reused for multiple situation



Suitable for multiple types of work, workspaces and requirements



Key Advantages

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| Fast Computing <ul style="list-style-type: none"> Full-stack collaborative welding system with top-tier hardware for superior performance. | Force-Controlled Drag <ul style="list-style-type: none"> Equipped with full-joint torque sensors for smooth manual dragging and collision detection. | User-Friendly Operation <ul style="list-style-type: none"> Utilizes welding templates and intelligent global planning for rapid skill development, even for novices. |
| High-Efficiency Drive <ul style="list-style-type: none"> Powered by 17 multi-core processors, offering compatibility with model files and doubling efficiency for complex welding tasks. | Customizable Welding <ul style="list-style-type: none"> Open process mode for personalized and customizable welding techniques. | Versatile Deployment <ul style="list-style-type: none"> Features strong magnetic bases, caster mounts, and lightweight servo rails, catering to diverse welding. |
| Adaptive Flexibility <ul style="list-style-type: none"> Automatically adapt to various workpiece size and shapes. | Arc Tracking <ul style="list-style-type: none"> Proprietary multi-mode arc tracking ensures real-time correction and consistently high-quality welds. | Wireless Communication <ul style="list-style-type: none"> Supports Wi-Fi, Bluetooth, and 5G connectivity, with low-latency handheld PDA for real-time welding |
| Exquisite Craftsmanship <ul style="list-style-type: none"> Batch import/export capabilities and dedicated process database for creating tailored welding solutions. | High-Voltage Nozzle <ul style="list-style-type: none"> 3D vision correction provide stable welding performance in challenging conditions. | Rich Interfaces <ul style="list-style-type: none"> 16 I/O port, RS485 COM port, and 60-meter Ethernet image transmission for seamless connectivity. |

