

Intelligent Co-Bot Welding

DANOX ROBOTICS

DanoX
WELDING PTE LTD



Platform Version

Split Version

Product Overview

The Intelligent Co-Bot Welding Machine is available in both platform version and split version to suit better workspace requirements. It features a self-developed welding process package, integrating advanced welding technology with a simple and easy-to-operate interface, making it accessible even for first-time users.

Designed to combine precision, flexibility, and intelligent automation in one compact system. Ideal for small to medium sized production runs. It allows for easy programming, safe operation, and high quality welds without the need for external teaching software.

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Platform Version

Co-Bot + Mobile Welding Cart

- Flexible mobility.
- Suitable for any environment.
- Ideal for production with small batches, multiple varieties, and frequent product changes.



Split Version

Co-Bot + Magnetic Base

- Does not occupy fixed space.
- Can be stored elsewhere after welding.
- Magnetic based works well with any steel plate.
- Ideal working environment: Ships, Bridges, Steel Structures.

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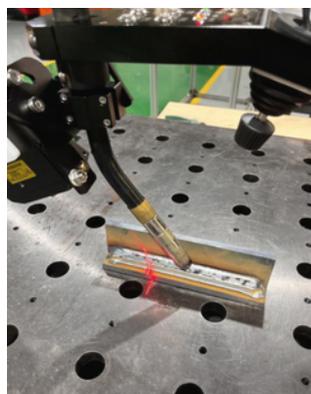
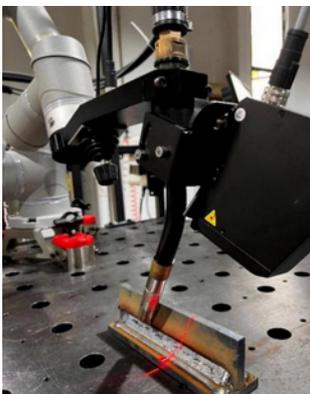
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Overall Advantages

- Easy drag-and-teach setup
- No programming needed
- Operate with just 10 minutes of training
- Beginner Friendly
- 1 operator can manage 2-4 robots
- Built in collision stop function
- Arc tracking and reduced spatter
- Weld anywhere, no fixed space required



Applications



Laser Position-Finding Function

This function activates at the start of welding, allowing it to accurately locate the weld seam before initiating the weld. It can be adapted for both arc welding and laser welding processes, offering high flexibility for a range of welding needs.

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3-Steps Welding



Step 1: Drag-&-Teach Points

Step 2: Select parameters

Step 3: Start welding

Welding Operation Comparison

Comparison Item	Manual Welding	Industrial Robot Welding	Cobot Welding
Operator skill	Certified welder	Knows robot programming	Just need to drag and remember points
Parameter setting	Familiar with manual welding processes	Knows robot process programming	One-click switch after setting
Work Intensity	High work intensity, welding is harmful to the eyes and lung	Programming is very complicated	No programming
Required Adaptable Welding Scenarios	High welding process requirements, not yet automated	Standard parts, large single batch	Small batch, various products

Selection Configuration Table

Robot Model	JS-C508A	JS-i10H
Rated Load (kg)	5	10
Arm Length (mm)	886.5	1350
Body Weight (kg)	24	38.5
Repeatability (mm)	±0.05	±0.03
Welding System	JASIC welding process software system with welding process library	
Dragging Method	Quick drag + precise drag	
Supported Welding Materials	Carbon steel, stainless steel, aluminum	
Welding Machine	JASIC mainstream welding machine, including DC, low spatter, pulse and other functions.	
Version	Platform version / Split version	
Mobile Cart Size	1350*800*1700	
Equipment Weight	260KG	
Power Supply	TN-S AC 380V±10%	
Operating Temperature	0-50°C	

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