

6 Axis Welding Arm Robot Industrial Automatic Welding Robot For Medium Thick Plates

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: Jin Hongxiang
- Certification: CE
- Model Number: 1510
- Minimum Order Quantity: 1 set
- Price: Negotiable
- Packaging Details: Export safety wooden case
- Delivery Time: 5-10 days or negotiation
- Supply Ability: 50 Set/Sets per Month



Product Specification

- Product Name: Industrial 6 Axis Arm Welding Robot
- Condition: New
- Applicable Industries: Building Pipes, Process Products, Automobile Sheet Metal,
- Warranty Of Core Components: 1 Year
- Core Components: PLC, Precision Servo, Robot Body, Welding Power Supply, Control Cabinet
- Warranty: 1 Year
- Key Selling Points: Flexible, Stable, Durable And High Precision
- Weight (KG): 170
- Voltage: 380V
- Current: 50-60HZ
- Dimensions: 550*785*410mm
- Usage: Welding
- Advantage: High Speed Stability



Product Description

Welding robot for medium and thick plates

Welding application of medium and thick plates

Technical features:

The high stability of CRP robot is the basis of thick plate welding;
Swing welding+multi form searching+arc tracking is the basic function of plate welding.
The functions of these arc welding software packages of CRP robot have been widely used in the market and their stability has been affirmed;
Stable swing welding can effectively increase the weld width;
Various forms of position finding are used for the accurate search of the starting point and end of various welds to adapt to the deviation of the workpiece;
During welding, arc tracking shall be used to correct the weld deviation caused by deformation or workpiece deviation of the weld;

Multilayer and multichannel software can quickly and flexibly implement multi-layer and multichannel programming;

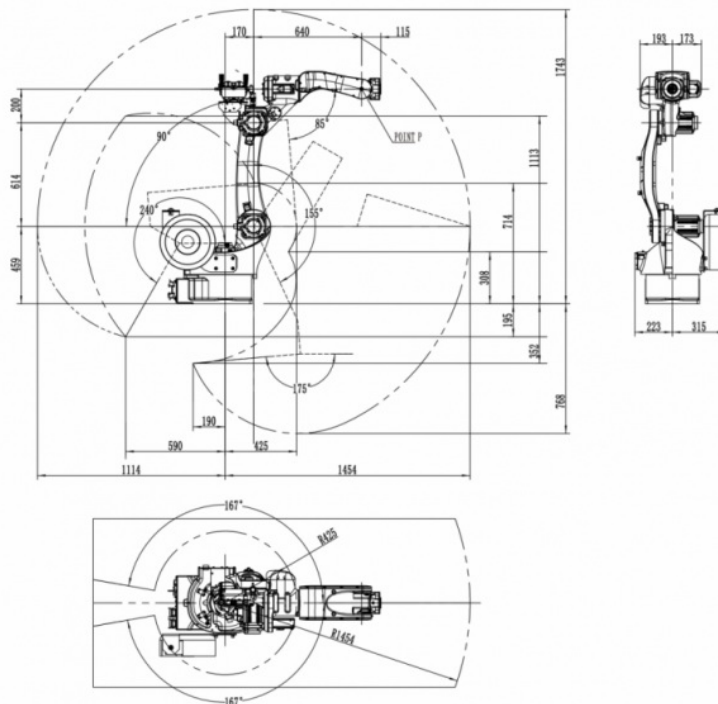
500A water-cooled hollow welding gun, supporting long time high current welding;
(If the welding wire positioning function is required, please select the welding gun as the wire clamping water cooling gun)
The robot and the welding machine are fast and stable through full digital communication;
Single/double pulse welding machine, if the mixed gas can realize low spatter welding in the full current section with short arc pulse technology, the welding speed is faster; With high-frequency pulsating energy control, the melting depth is deeper, the heat input is lower, and the scales are more beautiful;
With smooth short circuit transition technology, the weld bead is uniform and the molding is beautiful;
Wire feeding with encoder feedback is more stable and anti-interference;
The welding machine is equipped with a position finding function, so there is no need to add a position finding plate

Scope of application:

6mm-30mm carbon steel

For thick plate welding with large workpiece deviation and large deformation during welding, the following options are available: point seeking and arc tracking

MOTION RANGE DIAGRAM



Application field:

Such as auto parts, teaching aids, electric box, furniture, medical equipment, guardrail, sheet metal, bicycle and other industrial parts

Welding workpiece



ROBOT BODY TECHNICAL PARAMETERS

Model		CRP-RH14-10-W
Arm form		Vertical multiple joints
Degree of freedom		6 axis
Maximum payload		10KG
Repeated positioning accuracy		±0.08mm
Maximum reaching distance		1454mm
Robot body weight		170KG
Installation mode		Ground,upside down mounting,wall mounting
Maximum travel	axis 1	Ground/upside down mounting-167°~167°,wall mounting -30°~30°
	axis 2	-155°~90°
	axis 3	-175°~240°
	axis 4	-190°~190°
	axis 5	-105°~130°
	axis 6	-105°~130°
Maximum axis speed	axis 1	169°/s
	axis 2	169°/s
	axis 3	169°/s
	axis 4	301°/S
	axis 5	220°/s
	axis 6	743°/S
Allowable	axis 4	20N.m

torque	axis 5	5 20N.m	
	axis 6	11N.m	
Allowable moment of inertia	axis 4	0.5kg.m ²	
	axis 5	0.5kg.m ²	
	axis 6	0.16kg.m ²	
Installation environment	ambient temperature	0~45	
	relative humidity	20~80%(No condensation)	
	vibration	Under 0.5G	
	Others	Robot installation must be away from: Flammable or corrosive liquids or gases . Electrical sources of interference	
Ip level		Body IP54,wrist IP67	
Advantage features		Compact structure,high speed,high precision,high expansibility and easy operatic	
Application		Welding.cutting.assembly.handling, marking.grinding	



corner of the warehouse



"Our purpose:

Every device, we must do better!!

reminder:

Our products are constantly upgraded and improved.
If the color or structure changes, the actual object shall prevail"



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