380V Welding Arm Robot 1500mm Mechanical Robot Arm Welding Arm Robot

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
- Key Selling Points: Flexible, Stable, Durable And High Precision
- Weight (KG): 170
- Voltage: 380V
- Dimensions: 550*785*410mm
- Maximum Boom Extension: 1500MM
- Function: Automatic Welding
- After-sales Service Provided: Free Spare Parts, Video Technical Support, Online Support
- Highlight: **380V Welding Arm Robot**,
  Welding Arm Robot 5 Axis,
  1500mm Mechanical Robot Arm

Product Description

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· The arm span is 1.5 meters. The design is highly compact and can be flexibly installed on the ground or upside down.
· With large working space, fast running speed and high repeated positioning accuracy, it is suitable for wide range of welding applications.
· The safety emergency stop board independent of the control system is equipped with, and the safety relay circuit is adopted to provide double-circuit emergency stop to ensure the reliability of emergency stop.
· The robot body adopts highly flexible special cable.
· Built-in three-phase transformer makes 380V and 220V isolated to help the power supply more stable. Built-in three-phase filter can effectively improve the performance of EMC and EMI.
· The robot body is with dual-circuit gas pipe to meet the welding demand.
· The inner diameter of 6-axis middle hole is 44mm, it can meet the installation requirements of water-cooling torch and bellows torch.
· Highly flexible welding cable is built-in.
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 torque	axis 4	20N.m
	axis 5	5 20N.m
	axis 6	11N.m
Allowable moment of inertia	axis 4	0.5kg.m2
	axis 5	0.5kg.m2
	axis 6	0.16kg.m2
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 liguids or gases . Electrical sources of interference
Ip level		Body IP54,wrist IP67
Advantage features		Compact structure,high speed,high precision,high expansibility and easy operatio
Application		Welding.cutting.assembly.handling, marking.grinding

CRP-E60-G4
工业机器人控制柜

CABINET TECHNICAL INDEX

Teaching pendant	8-inch TFT-LCD, button + touch screen, mode selection switch, safety switch, emergency stop button
User memory	200M
Axis quantity that can be controlled	6ed+ 2 axes, 6 robot body axes + 2 external axes
Interface	Digital I/O interface, EtherCAT, 22 input / output(expandable COM)
	4-way 0-10V analog output, 12-bit accuracy(expandable COM)
	Two-way encoder signal interface(position tracking)
	Ethernet communication interface
	Double USB interface
Operation mode Moving function	Teaching, reproduction, remote
	Point-to-point, straight line, circle
Command system	Motion, logic, process, operation
Coordinate system	Joint coordinates, rectangular coordinates, user coordinates, tool coordinates, and base coordinates
Abnormal detection function	Abnormal stop, abnormal servo, abnormal user coordinates,abnormal tool coordinates, safety maintenance, abnormal arc,etc.
Robot safety	External emergency stop, anti-collision and safety bolt interface; MC safety circuit, servo soften, etc.
Reserved specific interface	arc welding interface, workstation interface
Software package	With options of welding, handling, palletizing, painting, andspraying applications
Others	Built-in PLC, regenerative braking, encoder interface(supporting synchronous belt), arc tracking and accessories(optional), vision software(optional), laser tracking software(optional), etc.
Connecting cable	3m
Power supply	Three phase 380V AC 50-60HZ
Dimension	550mm×785mm×410mm
Weight	90KG

薄板工艺:
低电压依然电弧柔和，电弧稳定

低飞溅:
整条焊缝基本无附着飞溅

平滑短路过渡:
焊道摊开，光滑

适用范围

· 0.8-6mm碳钢
（角焊缝/搭接 0.7-0.8mm及以上）
（对接/T型 1.0mm及以上）

· 1.5-6mm不锈钢
（角焊缝/搭接 1.5mm及以上）
（对接/T型 1.5mm及以上）

· 1.2-6mm镀锌件
（角焊缝/搭接 1.2mm及以上）
（对接/T型 1.5mm及以上）

功能特点

· 机器人运动速度快:
有效提升节拍，过渡自然
· 弧焊软件包中的薄板工艺:
小线段加速、飞行起弧有效提升节拍，焊丝回抽功能有效提升起弧成功率，鱼鳞焊能焊更薄的板
· 机器人和焊机通过全数字通信，速度快且稳定
· 直流，薄板，超低飞溅：CO2及混合气均可超低飞溅焊接
· 低热量控制的薄板工艺：在极低电压依然电弧稳定
· 平滑短路过渡:
电弧更柔和，有张力，成型更美观
· 间隙容忍度非常高:
对工件组对的误差的间隙容忍度较高
· 送丝机编码器反馈控制:
在电弧出现波动时，能快速调整
· 选配鱼鳞焊功能:
间断时有维弧降低飞溅，同时提速
· 自带寻位功能:
无需在另加寻位硬件

FAQ
Q: What is your normal lead time?
A. If there is stock, our company usually receives the payment for goods and delivers them within a week. If it needs to be customized, the delivery cycle is usually 3-4 weeks after receiving the deposit.

Q: What are your terms of payment?
A: We accept TT.

Q: What kind of packing do you offer?
A. Packaging is usually installed for the export of plywood boxes.

Q: What is the minimum order quantity you can produce?
A. Usually we have them in stock, and the minimum order is 1 set.

Q: How to control product quality?
A. We always attach great importance to product quality. Before leaving the factory, it will be fully aged and debugged. And we always adhere to the principle of "providing customers with better quality, better price and better service.