

# Sheet Metal 6 Axis Robotic Welding Arm Machine Fast Speed Fully Automatic

#### **Basic Information**

Place of Origin: Guangdong, ChinaBrand 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**

Condition: New

• Applicable Industries: Building Pipes, Process Products,

Automobile Sheet Metal,

• Warranty Of Core 1 Year

Components:

Core Components: PLC, Precision Servo, Robot Body, Welding

Power Supply, Control Cabinet

Product Name: Industrial 6 Axis Arm Welding Robot

Warranty: 1 Year

• Key Selling Points: Flexible, Stable, Durable And High Precision

Weight (KG): 170
 Voltage: 380V
 Current: 50-60HZ
 Dimensions: 550\*785\*410mm

• Dimensions. 330 703 4101

Usage: Welding

Advantage: High Speed Stability



#### **Product Description**

#### Sheet metal welding robot

#### Technical features:

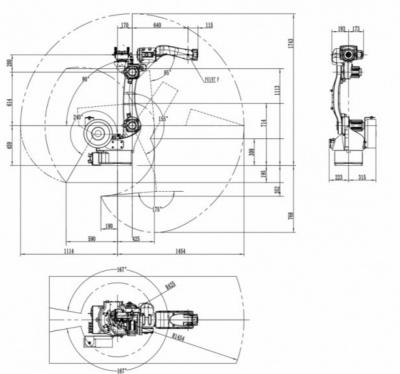
The robot moves fast: effectively improves the beat and makes the transition to nature
Thin plate process in arc welding software package: small segment acceleration
and flying arc starting can effectively improve the beat, welding wire withdrawal
function can effectively improve the success rate of arc starting, and fish scale welding can weld thinner plates
The robot and welding machine are fast and stable through full digital communication
DC, sheet, ultra-low splash

#### CO2 and mixed gas can be used for ultra-low splash welding

Thin plate process with low heat control: the arc is stable at very low voltage Smooth short circuit transition: softer arc, more tension, more beautiful shaping Very high clearance tolerance: high clearance tolerance for error of workpiece assembly Feedback control of wire feeder encoder: it can be quickly adjusted in case of arc fluctuation Optional fish scale welding function: when interrupted, there is dimension arc to reduce spatter and increase speed

Self provided location finding function: no additional location finding hardware is required

MOTION RANGE DIAGRAM



#### Scope of application:

0.8-6mm carbon steel

(Fillet weld/lap 0.7-0.8mm and above)

(Butt joint/Type T 1.0mm and above)

1.0-6mm stainless steel

(Fillet weld/lap 1.2mm and above)

(Butt joint/T type 1.5mm and above)

1.0-6mm galvanized parts

(Fillet weld/lap 1.0mm and above)

(Butt joint/T type 1.2mm and above)

#### 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	Э	1454mm
Robot body weight		170KG
Installation mode		Ground,upside down mounting,wall mounting
	axis 1	Ground/upside down mounting- 167°~167°,wall mounting -30°~30°
Maximum travel	axis 2	-155°~90°
	axis 3	-175°~240°
	axis 4	-190°~190°
	axis 5	-105°~130°
	axis 6	-105°~130°
	axis 1	169°/s
	axis 2	169°/s

	axis 3	169°/s
Maximum axis speed	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

#### 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"

## Dongguan Jinghongxiang Automation Equipment Co., Ltd.







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