

CRP-RH14-10-W(PRO)
CRP-RH14-10-W
INDUSTRIAL ROBOT WELDING APPLICATION



FUNCTIONAL FEATURES

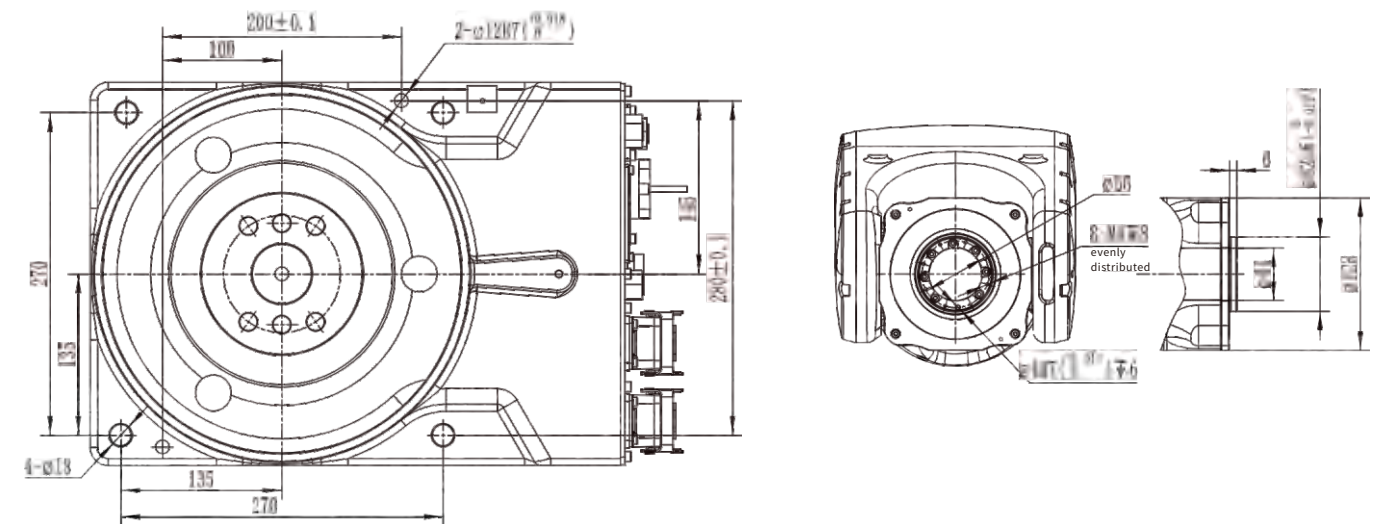
- The arm span is 1.4 meters. The design is highly compact and can be flexibly installed on the ground or upside down.
- With large working space, fast running speed and high repeated positioning accuracy, it is suitable for wide range of welding applications.
- The safety emergency stop board independent 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 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.
- Built-in high flexible welding cable.



ROBOT BODY TECHNICAL PARAMETERS

Model	CRP-RH14-10-W/CRP-RH14-10-W(PRO)	
Arm form	Vertical multiple joints	
Degree of freedom	6 axis	
Maximum payload	10kg	
Maximum coverage	1454mm	
Maximum travel	Axis 1	Formal/inverted-167°~167°,wall mounting-30°~30°
	Axis 2	0°~175°
	Axis 3	-80°~150°
	Axis 4	-190°~190°
	Axis 5	-110°~130°
	Axis 6	-210°~210°
Maximum speed	Axis 1	169°/S
	Axis 2	169°/S
	Axis 3	169°/S
	Axis 4	280°/S
	Axis 5	240°/S
	Axis 6	520°/S
Allowable torque	Axis 4	10N.m
	Axis 5	10N.m
	Axis 6	3N.m
Allowable moment of inertia	Axis 4	0.25kg.m ²
	Axis 5	0.25kg.m ²
	Axis 6	0.2kg.m ²
Repeated positioning accuracy		±0.08mm
Robot body weight		170kg
Installation mode		Formal/inverted/wall mounting
Body interface	Reserved IO	16Pin
	Reserved gas	2*φ8mm
Installation environment	Ambient temperature	0~45℃
	Relative humidity	20%~80%RH(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 operation
Application		Welding
Matching electrical cabinet		G9A/G9S

INSTALLATION INTERFACE DIAGRAM



Installation Dimension of Base

Flange Dimensions

WORKING RANGE DIAGRAM

