

# CRP-RP15-15

INDUSTRIAL ROBOT  
HANDLING  
APPLICATION



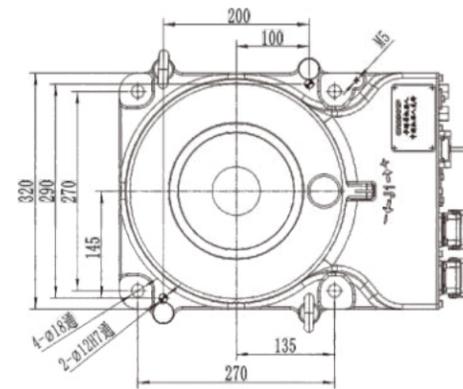
## FUNCTIONAL FEATURES

- With the features of high speed, high precision and high stability, CRP-RP15-15 can be adopted in more application scenarios;
- Rod joint adopts high protection design so it has longer life span. And the robot has better performance in waterproof and dustproof with maintenance-free in usage period;
- Equipped with special punching and palletizing package, customized interface to make operation be more convenient and easy.
- J4 axis adopts higher rigid reducer so the robot has stronger bearing capacity;
- The gravity compensation function ensures the accuracy of the robot at any position;
- Adaptive acceleration can improve the life span of the robot and ensure reasonable acceleration of arbitrary trajectory to achieve more efficient movement

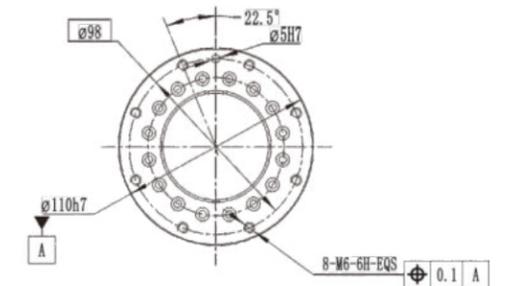
## ROBOT BODY TECHNICAL PARAMETERS

Model		CRP-RP15-15
Arm form		Multi joints+connecting rod
Degree of freedom		4 axis
Maximum payload		15kg
Maximum coverage		1530mm
Maximum travel	Axis 1	-170°~170°
	Axis 2	-90°~45°
	Axis 3	-75°~105°
	Axis 4	-360°~360°
Maximum speed	Axis 1	235°/S
	Axis 2	235°/S
	Axis 3	235°/S
	Axis 4	530°/S
Allowable moment of inertia	Axis 4	1.3kg.m <sup>2</sup>
Repeated positioning accuracy		±0.05mm
Robot body weight		155kg
Installation mode		Formal mounting
Body interface	Reserved IO	16Pin
	Reserved gas	2* φ8mm
	Ambient temperature	0~45°C
Installation environment	Relative humidity	20%~80%RH(no condensation)
	Vibration	Under 0.5 G
	Others	Robot installation must be away from: flammable or corrosive liquids or gases, electrical sources of interference
IP level		IP56
Advantage features		Compact structure, high speed, high precision, high rigidity, high life, high expansibility and easy operation
Application		Handling, palletizing, depalletizing, loading and unloading
Matching electrical cabinet		G12

## INSTALLATION INTERFACE DIAGRAM



Installation Dimension of Base



Flange Dimensions

## MOTION RANGE DIAGRAM

