

# CRP-RS04-03 CRP-RS06-06

## SCARA ROBOTS



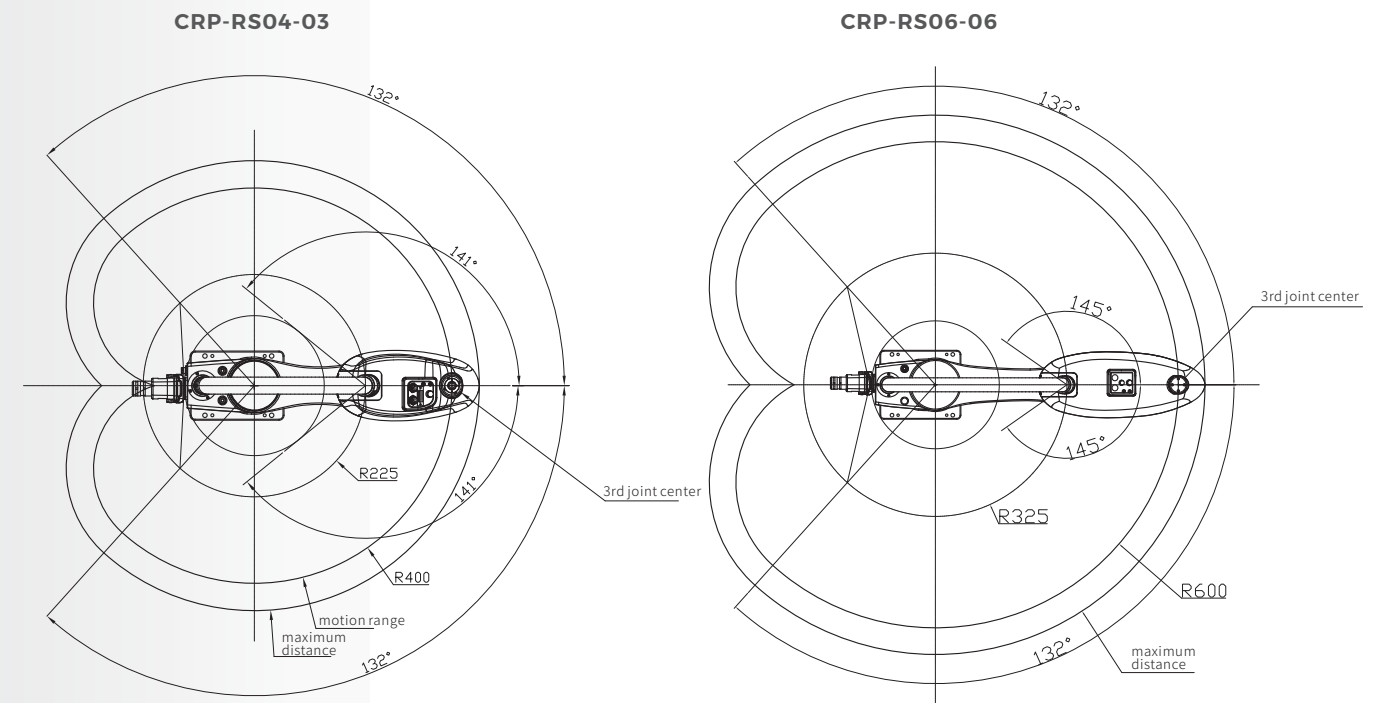
### FUNCTIONAL FEATURES

- Compact and flexible structure, fast running speed, high transmission accuracy and low noise
- Highly rigid arm design realizes high load and high speed in one package
- Available in 600 and 400 mm arm span; 3kg or 6kg payload.
- Adapt to G3 control cabinet, provide 23 input and 23 output custom IO; support serial port, network, USB and other interface forms
- Suitable for handling, palletizing, assembly, 3C and other application fields.

### ROBOT BODY TECHNICAL PARAMETERS

Robot Model		CRP-RS04-03	CRP-RS06-06
Function		Material handling, 3C	Material handling, 3C
Total axes		4	4
Maximum reach		400mm	600mm
Payload	Rated load	1kg	3kg
	Maximum load	3kg	6kg
Permissible inertial torque of rotating axis	Rated load	0.005kg.m <sup>2</sup>	0.01kg.m <sup>2</sup>
	Maximum load	0.05kg.m <sup>2</sup>	0.12kg.m <sup>2</sup>
Repeated positioning accuracy	1st axis + 2nd axis	±0.01mm	±0.02mm
	3rd axis (elevating axis)	±0.01mm	±0.01mm
	4th axis (rotation axis)	±0.01°	±0.01°
Max speed	1st axis	720°/sec	450°/sec
	2nd axis	720°/sec	720°/sec
	3rd axis (elevating axis)	1000mm/sec	1000mm/sec
	4th axis (rotation axis)	2500°/sec	2000°/sec
Max operating area	1st axis	±132°	±132°
	2nd axis	±141°	±145°
	3rd axis (elevating axis)	170mm	220mm
	4th axis (rotation axis)	±360°	±360°
Installation method		Floor mounted	Floor mounted
Robot body weight		13Kg	17Kg
Power consumption		0.7kw	0.8kw
Installation environment	Temperature	0-45°C	0-45°C
	Humidity	20-80% RH (no condensation)	20-80% RH (no condensation)
	Vibration	Under 4.9M/S <sup>2</sup>	Under 4.9M/S <sup>2</sup>
Electric Cabinet Configuration		G6	

### MOTION RANGE DIAGRAM



### INSTALLATION INTERFACE DIAGRAM

