

# CRP-RA32-280

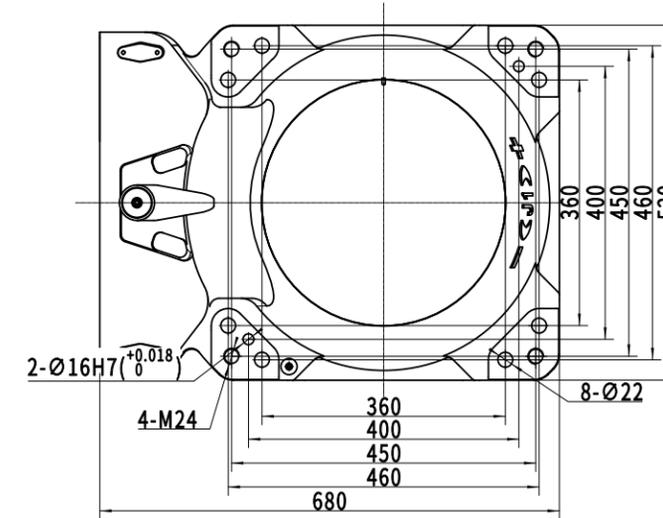
## INDUSTRIAL ROBOT HANDLING APPLICATION

### FUNCTIONAL FEATURES

- High rigidity, strong load capacity, more stable operation.
- The body adopts the hollow arm structure and the built-in wrist cable, without considering the interference with the adjacent robot or peripheral equipment caused by the external winding mode.
- Motor built-in, simple appearance, suitable for small space operation, more flexible movement.
- According to the user's use scenario, provide a variety of optional configurations, can be used for spot welding, riveting, handling, grinding, assembly and other production lines.
- The robot body cable adopts the special cable for flexible robot.
- The robot body can be configured  $\phi 12$  double circuit trachea to meet the needs of welding and handling.
- Speed, high overload capacity servo motor, high precision RV reducer and the latest anti-vibration control strategy, shorten the pitch operation time.
- The installation area of the whole machine is small, which can achieve high density installation and wiring, and multiple units work together.
- The robot has simple structure, friendly operation interface, easy maintenance and easy operation.

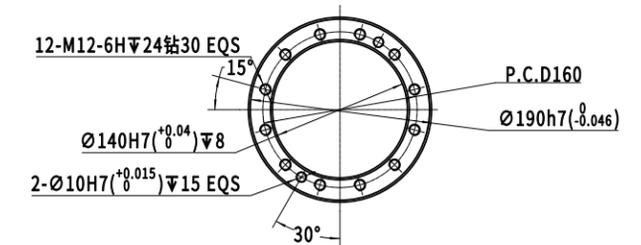
### ROBOT BODY TECHNICAL PARAMETERS

Model		CRP-RA32-280
Arm form		Vertical multiple joints
Degree of freedom		6 axis
Maximum payload		280kg
Maximum coverage		3107mm
Maximum travel	Axis 1	-180°~180°
	Axis 2	-85°~65°
	Axis 3	-75°~160°
	Axis 4	-210°~210°
	Axis 5	-125°~125°
	Axis 6	-360°~360°
Maximum speed	Axis 1	100°/S
	Axis 2	90°/S
	Axis 3	90°/S
	Axis 4	110°/S
	Axis 5	110°/S
	Axis 6	200°/S
Allowable torque	Axis 4	1745N.m
	Axis 5	1745N.m
	Axis 6	960N.m
Allowable moment of inertia	Axis 4	215kg.m <sup>2</sup>
	Axis 5	215kg.m <sup>2</sup>
	Axis 6	140kg.m <sup>2</sup>
Repeated positioning accuracy		±0.08mm
Robot body weight		1624kg
Installation mode		Formal mounting
Noise level		<80dB(A)
Body interface	Reserved IO	26Pin
	Reserved gas	2* $\phi 12$ mm
Installation environment	Ambient temperature	0~45°C
	Relative humidity	35%~85%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		Handling, spot welding, cutting, mounting, milling, polishing
Matching electrical cabinet		G15A



Installation Dimension of Base

### INSTALLATION INTERFACE DIAGRAM



Flange Dimensions

### MOTION RANGE DIAGRAM

