

CRP-RA32-20

INDUSTRIAL ROBOT
HANDLING APPLICATION



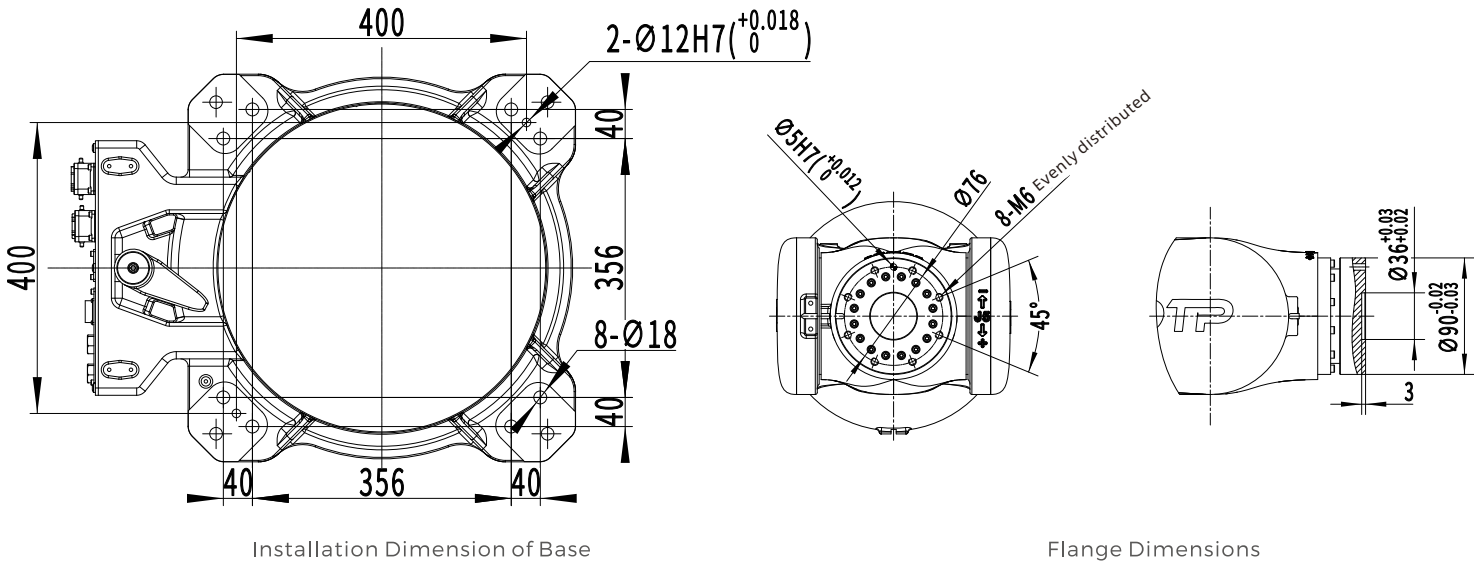
ROBOT BODY TECHNICAL PARAMETERS

Model		CRP-RA32-20
Arm form		Vertical multiple joints
Degree of freedom		6 axis
Maximum payload		20kg
Maximum coverage		3160mm
Maximum travel	Axis 1	-180°~180°
	Axis 2	-165°~70°
	Axis 3	-80°~165°
	Axis 4	-360°~360°
	Axis 5	-135°~135°
	Axis 6	-360°~360°
Maximum speed	Axis 1	130°/S
	Axis 2	125°/S
	Axis 3	124°/S
	Axis 4	224°/S
	Axis 5	350°/S
	Axis 6	540°/S
Allowable torque	Axis 4	40N.m
	Axis 5	40N.m
	Axis 6	20N.m
Allowable moment of inertia	Axis 4	1.2kg.m ²
	Axis 5	1.2kg.m ²
	Axis 6	0.8kg.m ²
Repeated positioning accuracy		±0.06mm
Robot body weight		660kg
Installation mode		Formal/inverted/wall mounting
Noise level		<80dB(A)
Body interface	Reserved IO	26Pin
	Reserved gas	2*φ10mm
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		Handling, cutting,gluing,welding
Matching electrical cabinet		G15A

FUNCTIONAL FEATURES

- The arm span is 3.2 meters, the load capacity is strong, the working range is large, the flexibility is strong.
- Fast running speed, high repeated positioning accuracy, suitable for cutting, handling, welding and other application scenarios, a wide range of applications.
- A safety emergency stop board independent of the control system is configured, and a safety relay is used to provide double-circuit emergency stop to ensure the reliability of emergency stop.
- The main cable adopts the special cable for flexible robot.
- Built-in three-phase filter to effectively improve EMC and EMI performance.
- The body provides φ 10mm double circuit trachea to meet the peripheral requirements.
- Through the single cantilever forearm structure, the terminal weight is reduced and the flexibility is improved, and the choice of manipulator, tool and workpiece shape is extended.
- Built-in cable, gas pipe, through the center of the forearm and wrist set hollow part, from the robot base to the end of the wrist built-in cable and gas pipe, more convenient for users, improve the efficiency of work.
- High scalability, a number of user support installation platforms are set on the robot body, which is convenient for users to determine the cable and its related auxiliary tooling.

INSTALLATION INTERFACE DIAGRAM



MOTION RANGE DIAGRAM

