

# CRP-RA21-70T5

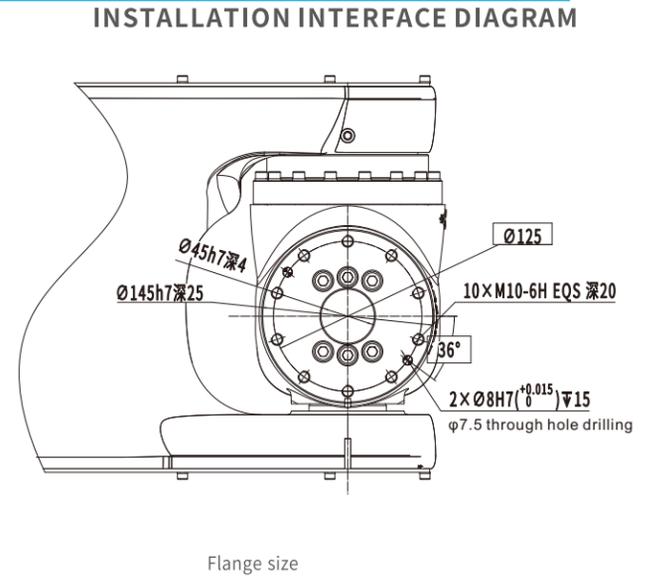
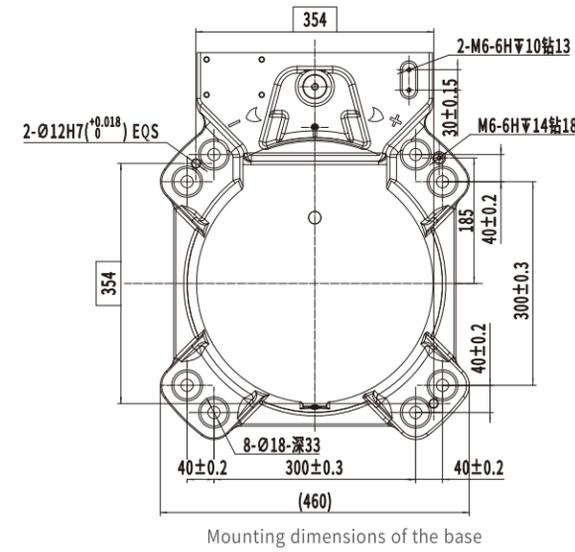
## INDUSTRIAL ROBOT HANDLING APPLICATION

### FUNCTIONAL FEATURES

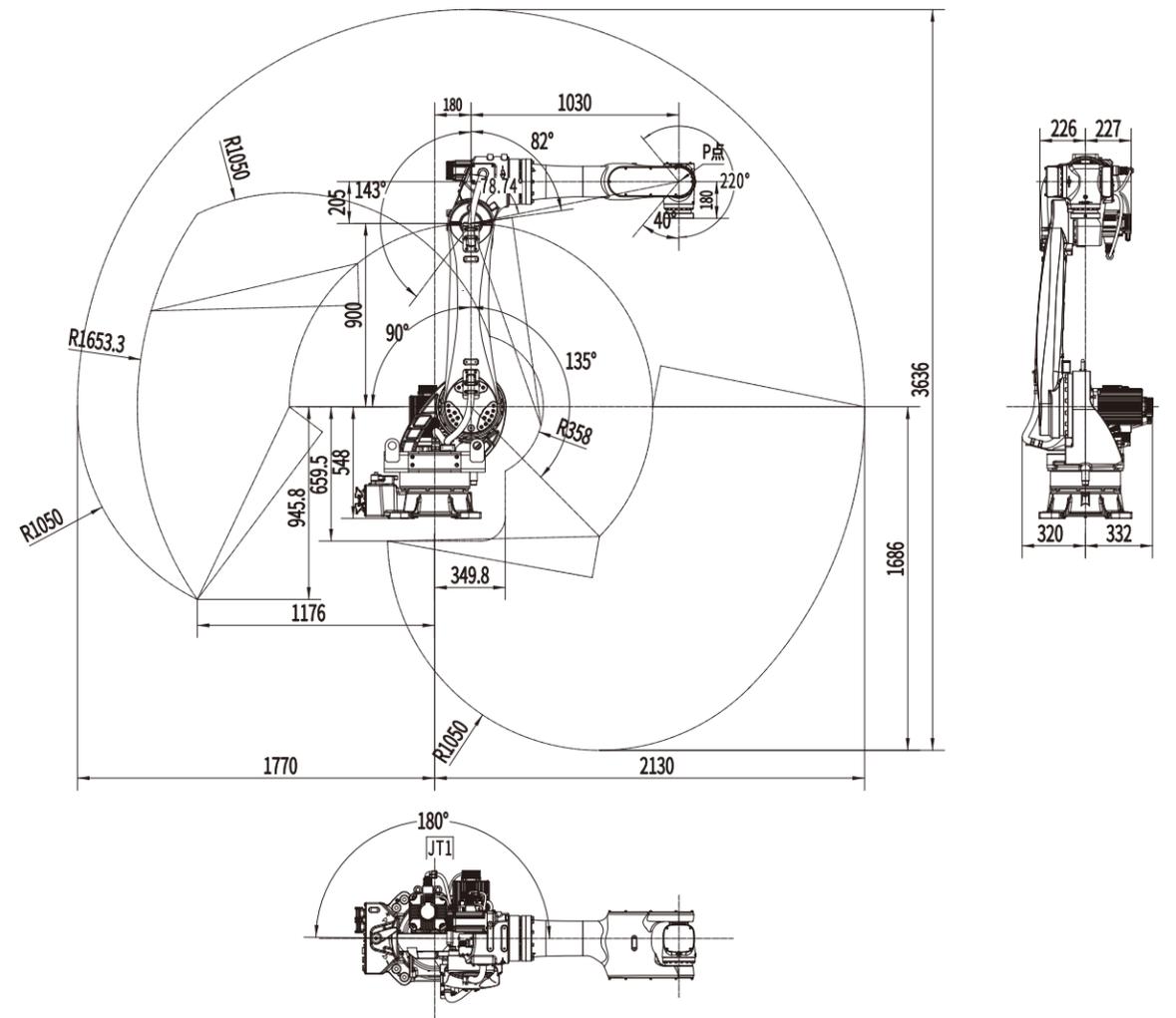
- Arm span of 2.13m, strong load capacity, large working range and high flexibility.
- Fast operation speed, repeated positioning accuracy, suitable for handling, assembly, grinding and other scenarios.
- Built-in cables and trachea to reduce external interference, more convenient for customers to use and improve operation efficiency.
- The safety emergency stop board independent of the control system is configured, and imported forced disconnect relay is adopted to provide double-circuit emergency stop to ensure the reliability of emergency stop.
- Built-in three-phase filter to effectively isolate external interference and prevent internal interference output.
- The body provides dual air pipes to meet the needs of transportation.
- Optimized for packaging and palletizing scenarios, with precise operation and strong power, making code work easy.

### ROBOT BODY TECHNICAL PARAMETERS

Model		CRP-RA21-70T5
Arm form		Vertical multiple joints
Degree of freedom		5 axis
Maximum payload		70kg
Maximum coverage		2130mm
Maximum travel	Axis 1	-180°~180°
	Axis 2	-140°~92°
	Axis 3	-87°~135°
	Axis 4	/
	Axis 5	-125°~125°
	Axis 6	-360°~360°
Maximum speed	Axis 1	175°/S
	Axis 2	175°/S
	Axis 3	180°/S
	Axis 4	/
	Axis 5	250°/S
	Axis 6	340°/S
Allowable torque	Axis 4	/
	Axis 5	240N.m
	Axis 6	135N.m
Allowable moment of inertia	Axis 4	/
	Axis 5	27kg.m <sup>2</sup>
	Axis 6	11kg.m <sup>2</sup>
Repeated positioning accuracy		±0.05mm
Robot body weight		540kg
Installation mode		Formal, inverted, wall mounting
Body interface	Reserved IO	26Pin
	Reserved gas	2*φ10mm
	Ambient temperature	0~45°C
Installation environment	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, palletizing, loading and unloading
Matching electrical cabinet		G15A



### WORKING RANGE DIAGRAM



t conditions: (1) the robot is firmly fixed on a flat ground;  
 (2) Test at a distance of 2900mm from the center of rotation of joint JT1;  
 (Noise level varies according to the conditions, background noise has a certain effect)