

CRP-RA09A-07(T3)

PCB BOARD ROBOT



FUNCTIONAL FEATURES

- Axis 2 adopts directly connected structure to effectively improve accuracy;
- Motor and reducer adopt spline connection to be more stable
- Adopt customized structure to effectively avoid interference and meet the need of application in narrow space;
- Compact structure and small volume
- Light weight and fast speed

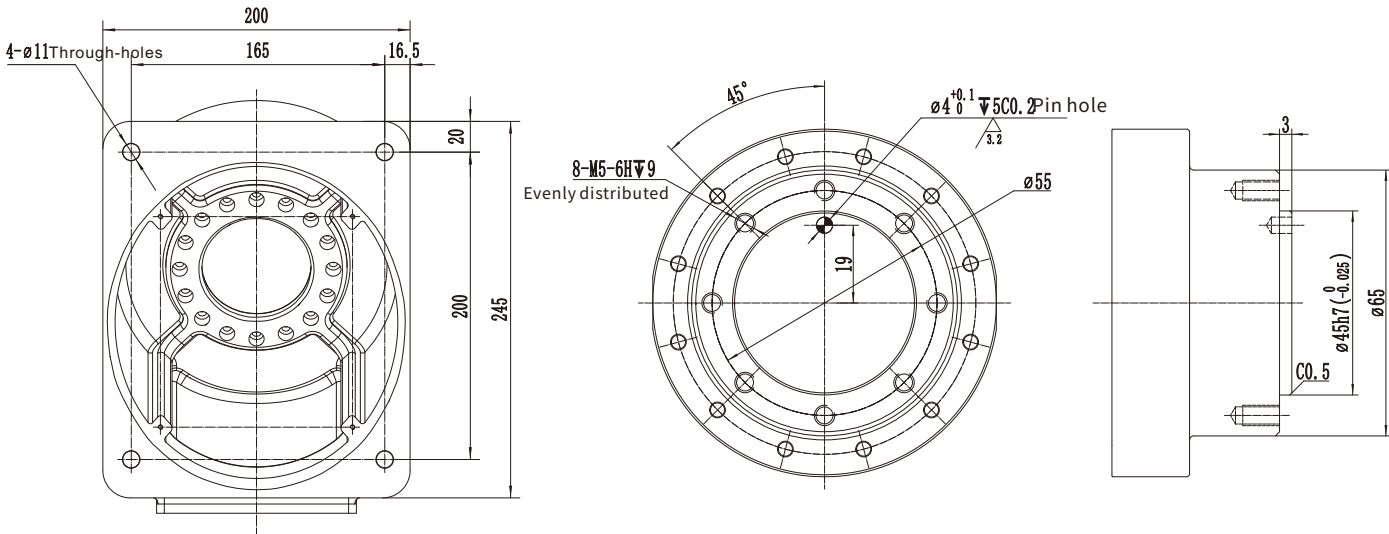
ROBOT BODY TECHNICAL PARAMETERS

Model		CRP-RA09A-07(T3)
Arm form		Vertical multiple joints
Degree of freedom		3 axis
Maximum payload		7kg
Maximum coverage		876mm
Maximum travel	Axis 1	/
	Axis 2	-135°~100°
	Axis 3	-62°~180°
	Axis 4	/
	Axis 5	-125°~125°
	Axis 6	/
Maximum speed	Axis 1	/
	Axis 2	297.5°/S
	Axis 3	426.5°/S
	Axis 4	/
	Axis 5	450°/S
	Axis 6	/
Allowable torque	Axis 4	/
	Axis 5	6.2N.m
	Axis 6	/
Allowable moment of inertia	Axis 4	/
	Axis 5	0.38kg.m ²
	Axis 6	/
Repeated positioning accuracy		±0.03mm
Robot body weight		37kg
Installation mode		inverted mounting
Noise level		<75dB(A)
Body interface	Reserved IO	19Pin
	Reserved gas	2*φ6mm
Installation environment	Ambient temperature	0~45°C
	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		PCB transfer machine
Matching electrical cabinet		G11

THE INTRODUCTION AND FEATUERS OF ROBOT

CRP-RA09A-07(T3) is specially customized for production and application scenarios in the PCB industry. It is designed for loading and unloading processes in the PCB industry. To meet the PCB industry's requirements, this CRP robot is launched with the advantages of light weight, easy operation, high speed and cost-effectiveness.

INSTALLATION INTERFACE DIAGRAM



Installation Dimension of Base

Flange Dimensions

WORKING RANGE DIAGRAM

