

CRP-RA09A-07(T3)

PCB BOARD ROBOT



THE INTRODUCTION AND FEATURES OF ROBOT

· CRP-RA09A-07 (T3) is mainly customized for the production and application of PCB board industry. It is applied in the loading and unloading process of PCB board industry. In order to adapt to the PCB industry, CRP robot with light weight, simple application, high speed and lower cost is launched to meet the needs of customers for robots.

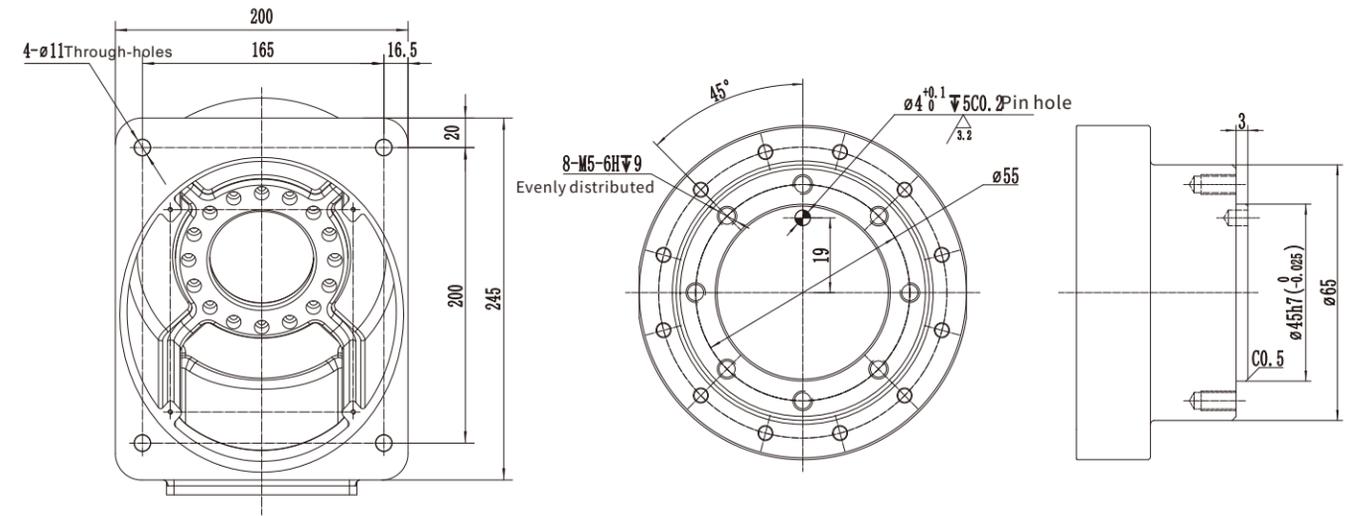
FUNCTIONAL FEATURES

- 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 |

INSTALLATION INTERFACE DIAGRAM



Installation Dimension of Base

Flange Dimensions

WORKING RANGE DIAGRAM

