

### nFA-RA09A-07 (T3)



#### THE INTRODUCTION AND FEATURES OF ROBOT

nFA-RA09A-07 (T3) is mainly customized for the production and applications 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 nFA robot with light weight, simple application, high speed and lower cost is launched to meet the needs of customers for robots

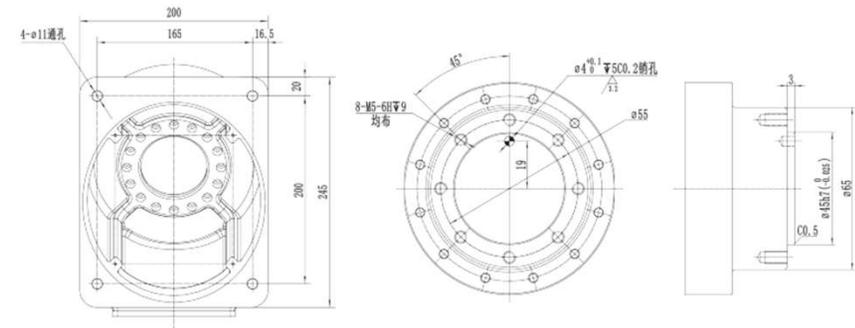
#### FUNCTIONAL FEATURES

- 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



Arm form		Vertical multiple joints
Degree of freedom		3 axis
Maximum payload		7kg
Repeated positioning accuracy		±0.03mm
Maximum reaching distance		876mm
Robot body weight		37kg
Installation mode		Ground, upside down mounting, side mounting
Noise level		<75dB(A)*
Maximum travel	axis 1	-142°-188°
	axis 2	-62°-180°
	axis 3	-120°-125°
Maximum speed	axis 1	297.5°/S
	axis 2	426.5°/S
	axis 3	450°/S
Allowable torque	axis 3	16.2N.m
Allowable moment of inertia	axis 3	0.38kg.m <sup>2</sup>
Installation environment	ambient temperature	0-45°C
	relative humidity	20-80%(No condensation)
	vibration	Under 0.5 G
	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, easy to operate
Application		Assembly, handling, marking
Electric Cabinet Configuration		C11B

#### INSTALLATION INTERFACE DIAGRAM



Installation Dimension of Base

Flange Dimensions

#### MOTION RANGE DIAGRAM

