

Bat-series Delta Robot

Bat250M-S0.5

It features high speed and agility, high positioning accuracy, and strong power, facilitating high-speed and high-precision flexible production.

Applicable industries

Sorting, handling, loading and unloading, boxing, gluing, and other links in electronics, food, medicine, daily chemicals, logistics, and new energy.

Product features

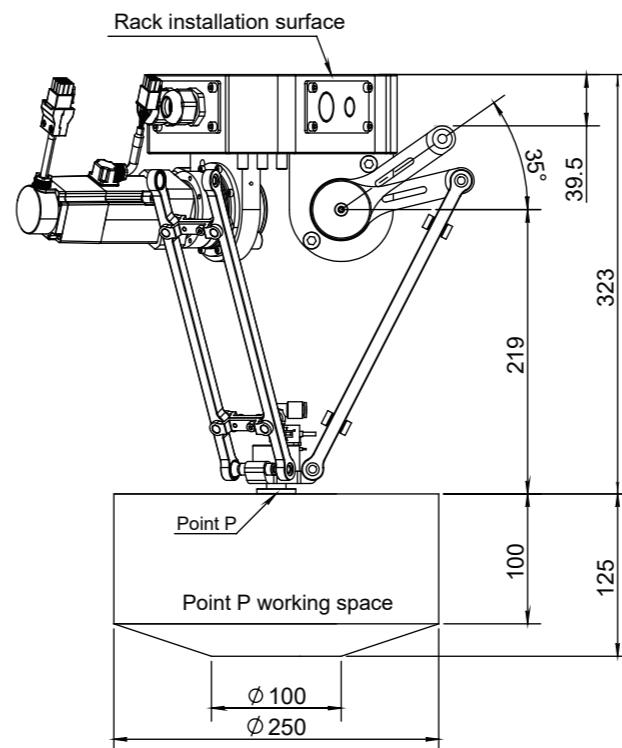
Load	0.5kg
Working space diameter	250mm
Repeat positioning accuracy	± 0.05 mm
Configuration	4th axis under-mounted



Specification

	Bat250M-S0.5	
Rated load	0.5kg	
Working space diameter	250mm	
Number of axes	4	
Repeat positioning accuracy	± 0.05 mm	
Angular repeat positioning accuracy	$\pm 0.1^\circ$	
20/100/20	0.1kg	0.20s
	0.5kg	0.40s
25/200/25	0.1kg	0.31s
	0.5kg	0.46s
Power supply voltage	Single-phase AC 220 V $\pm 10\%$, 50/60 Hz	
Rated power	0.5KW	
Ambient temperature	0-45°C	
Relative humidity	5-95%	
Degree of protection	IP54	
Safety	Equipped with monitoring, emergency stop, and safety functions	
Radiation	EMC shielding	
Installation method	Suspended type	
Weight of the robot body	10kg	
I/O interface	12-channel universal digital I/O; 2-channel encoder input	
Ethernet	2	
USB	1	
RS232/RS485	1	
EtherCAT	1	
Communication protocol	Modbus-RTU/TCP、Socket	

Working range



Model

Model	Bat250M-S0.5
Distance from installation surface to top of equipment	0mm
Max. upper arm elevation and horizontal plane angle	35°
Max. elevation of the upper arm to the height of the installation surface	39.5mm
Distance from installation surface to upper plane of working space	323mm
Distance from the reducer shaft center to the upper plane of the working space	219mm
Total height of the upper and lower limits of the working space	125mm
Height of the cylindrical part of the working space	100mm
Height of the conical frustum part of the working space	25mm
Bottom diameter of the conical column in the working space	100mm
Diameter of the circular table part of the working space	250mm
Min. installation size of the robot body	450mm

Installation size

