

Bat-series Delta Robot

Bat360M-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	360mm
Repeat positioning accuracy	$\pm 0.05\text{mm}$
Configuration	4th axis under-mounted

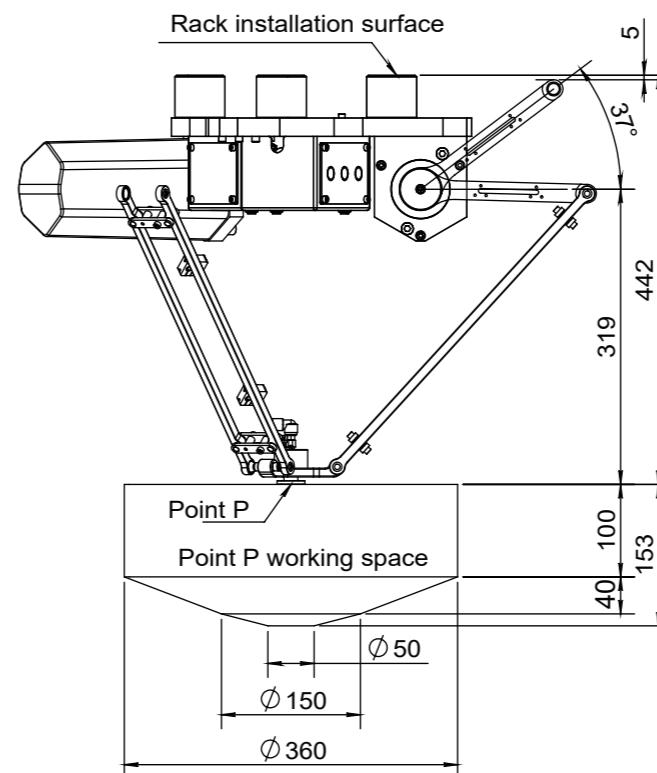


Specification

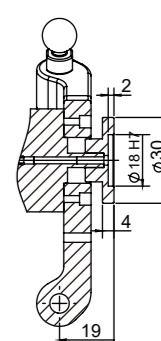
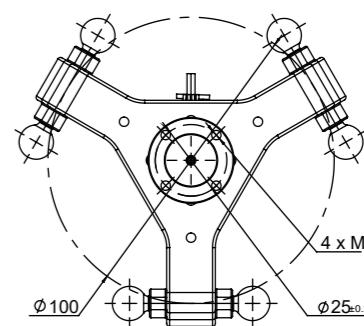
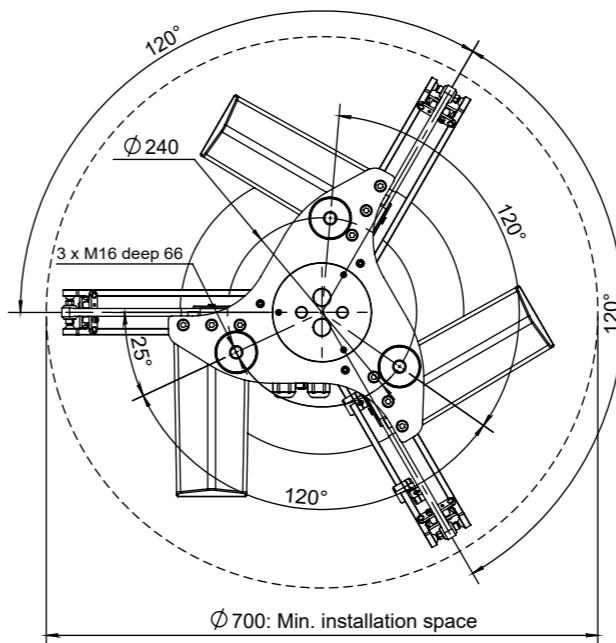
	Bat360M-S0.5	
Rated load	0.5kg	
Working space diameter	360mm	
Number of axes	4	
Repeat positioning accuracy	$\pm 0.05\text{mm}$	
Angular repeat positioning accuracy	$\pm 0.1^\circ$	
20/100/20	0.1kg	0.19s
	0.5kg	0.19s
25/200/25	0.1kg	0.21s
	0.5kg	0.22s
25/305/25	0.1kg	0.28s
	0.5kg	0.28s
Power supply voltage	Single-phase AC 220 V $\pm 10\%$, 50/60 Hz	
Rated power	0.8KW	
Ambient temperature	0-45°C	
Relative humidity	5-95%	
Degree of protection	IP54	
Safety	Equipped with monitoring, emergency stop, and installation functions	
Radiation	EMC shielding	
Installation method	Suspended type	
Weight of the robot body	24kg	
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	

*: For specific requirements regarding line selection, interface configuration, and other optional needs, please consult the technicians of RobotPhoenix.

Working range



Installation size



Model

Distance from installation surface to top of equipment	0mm
Max. upper arm elevation and horizontal plane angle	37°
Max. elevation of the upper arm to the height of the installation surface	5mm
Distance from installation surface to upper plane of working space	442mm
Distance from the reducer shaft center to the upper plane of the working space	319mm
Total height of the upper and lower limits of the working space	153mm
Height of the cylindrical part of the working space	100mm
Height of the conical frustum part of the working space	40mm
Transition diameter of the conical column in the working space	150mm
Bottom diameter of the conical column in the working space	50mm
Diameter of the circular table part of the working space	360mm
Min. installation size of the robot body	700mm

*: Any changes resulting from upgrading our products will not be notified separately.