

Bat-series Delta Robot

Bat600M-S3

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	3kg
Working space diameter	600mm
Repeat positioning accuracy	± 0.05 mm
Configuration	4th axis under-mounted

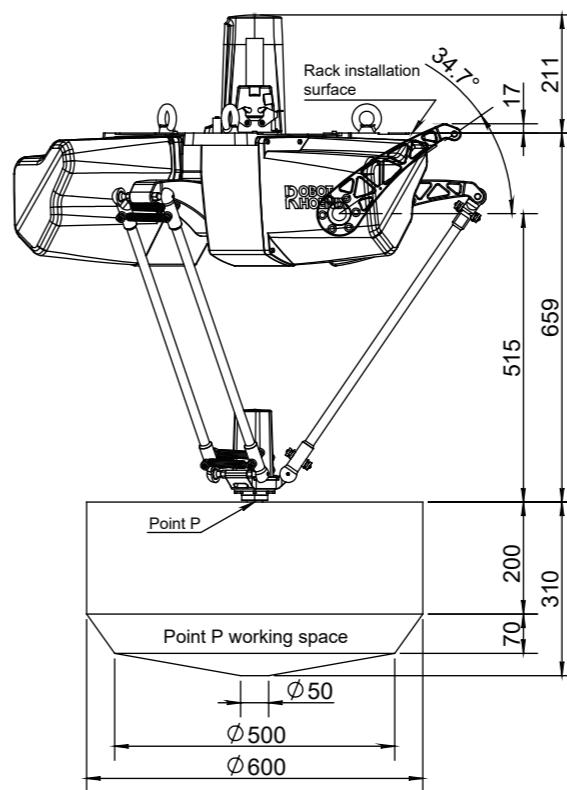


Specification

Bat600M-S3		
Rated load	3kg	
Max. load	6kg	
Working space diameter	600mm	
Number of axes	4	
Repeat positioning accuracy	± 0.05 mm	
Angular repeat positioning accuracy	$\pm 0.05^\circ$	
25/305/25	0.1kg 1kg 3kg	0.27s 0.29s 0.35s
90/400/90	0.1kg 1kg 3kg	0.35s 0.37s 0.42s
Power supply voltage	Three-phase AC 380 V $\pm 10\%$, 50/60 Hz	
Rated power	3.3KW	
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	69kg	
I/O interface	4-channel configurable digital I/O 8-channel universal digital I/O (8 additional I/O channels can be added) 2-channel encoder input	
Ethernet	2	
USB	2	
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.

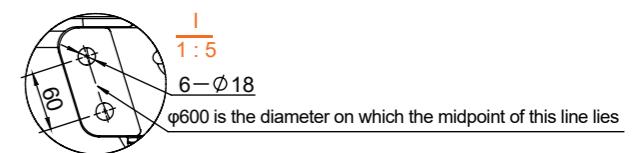
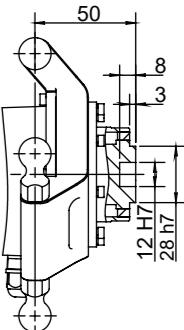
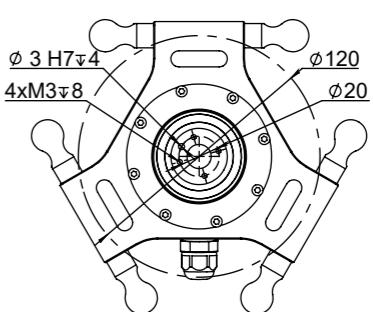
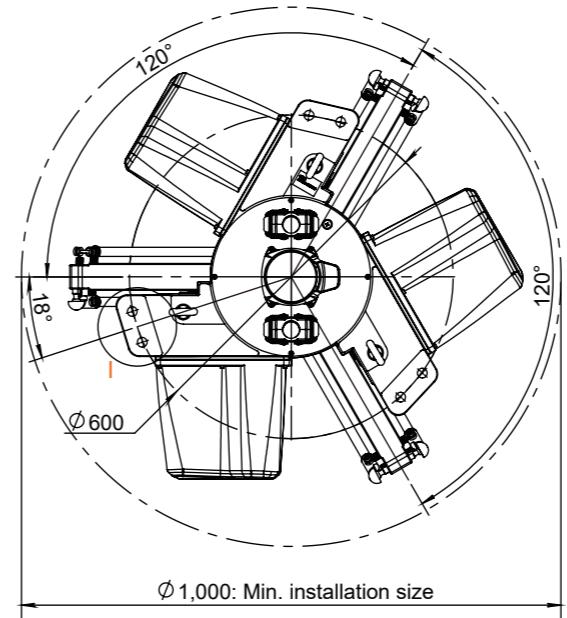
Working range



Model

Model	Bat600M-S3
Distance from installation surface to top of equipment	211mm
Max. upper arm elevation and horizontal plane angle	34.7°
Max. elevation of the upper arm to the height of the installation surface	17mm
Distance from installation surface to upper plane of working space	659mm
Distance from the reducer shaft center to the upper plane of the working space	515mm
Total height of the upper and lower limits of the working space	310mm
Height of the cylindrical part of the working space	200mm
Height of the conical frustum part of the working space	70mm
Transition diameter of the conical column in the working space	500mm
Bottom diameter of the conical column in the working space	50mm
Diameter of the circular table part of the working space	600mm
Min. installation size of the robot body	1000mm

Installation size



Ø600 is the diameter on which the midpoint of this line lies

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