Bat-series Delta Robot

Bat800M-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	800mm
Repeat positioning accuracy	±0.05mm
Configuration	4-axis mobile platform under-mounted

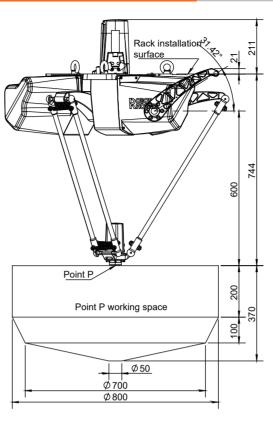


Specification		Bat800M-S3
Rated load		3kg
Max. load		10kg
Working space diameter		800mm
Number of axes		4
Repeat positioning accuracy		±0.05mm
Angular repeat positioning accuracy		±0.05°
25/305/25	0.1kg	0.26s
	1kg	0.29s
	3kg	0.34s
90/400/90	0.1kg	0.35s
	1kg	0.37s
	3kg	0.42s
Power supply voltage	· · · · · ·	Three-phase AC 380 V±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		70kg
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		2
RS232\RS485 1		1
EtherCAT		1
Communication protocol M		Modbus-RTU/TCP、Socket
Certification		CE

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

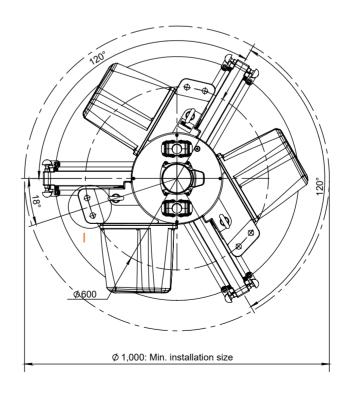
Working range

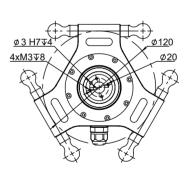


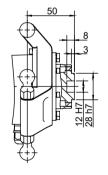


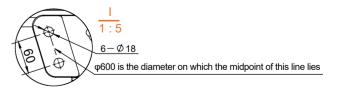
Model	Bat800M-S3
Distance from installation surface to top of equipment	211mm
Max. upper arm elevation and horizontal plane angle	31.42°
Max. elevation of the upper arm to the height of the installation surface	21mm
Distance from installation surface to upper plane of working space	744mm
Distance from the reducer shaft center to the upper plane of the working space	600mm
Total height of the upper and lower limits of the working space	330mm
Height of the cylindrical part of the working space	200mm
Height of the conical frustum part of the working space	100mm
Transition diameter of the conical column in the working space	700mm
Bottom diameter of the conical column in the working space	50mm
Diameter of the circular table part of the working space	800mm
Min. installation size of the robot body	1000mm

Installation size









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