Bat-series Delta Robot

Bat1600-S6

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

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

Product features

Rated load	6kg		
Working space diameter	1600mm		
Repeat positioning accuracy	±0.05mm		
Configuration	Standard 4-axis		

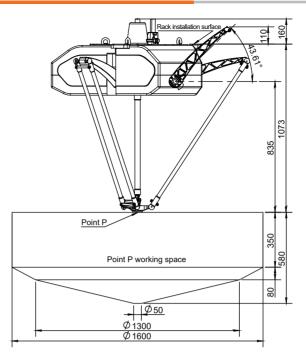


Specification		Bat1600-S6
Rated load		6kg
Max. load		14kg
Working space diamete	r	1300mm
Number of axes		4
Repeat positioning accu	uracy	±0.05mm
4-axis repeat positioning	g accuracy	±0.1°
	0.1kg	0.25s
25/305/25	1kg	0.27s
23/303/23	3kg	0.30s
	6kg	0.33s
	0.1kg	0.33s
90/400/90	1kg	0.35s
90/400/90	3kg	0.39s
	6kg	0.41s
Power supply voltage		Three-phase AC 380 V±10%, 50/60 Hz
Rated power		6KW
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		Hoisting
Weight of the robot bod	у	155kg
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 protoco	bl	Modbus-RTU/TCP、Socket
Certification		CE

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

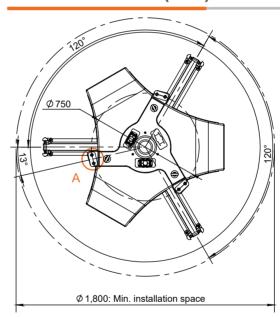
Working range

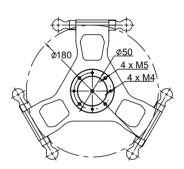


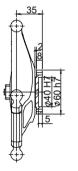


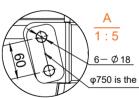
Model	Bat1600-S6
Distance from installation surface to top of equipment	160mm
Max. upper arm elevation and horizontal plane angle	43.61°
Max. elevation of the upper arm to the height of the installation surface	110mm
Distance from installation surface to upper plane of working space	1073mm
Distance from the reducer shaft center to the upper plane of the working space	835mm
Total height of the upper and lower limits of the working space	580mm
Height of the cylindrical part of the working space	350mm
Height of the conical frustum part of the working space	80mm
Transition diameter of the conical column in the working space	1300mm
Bottom diameter of the conical column in the working space	50mm
Diameter of the circular table part of the working space	1600mm
Min. installation size of the robot body	1800mm

Installation size (mm)



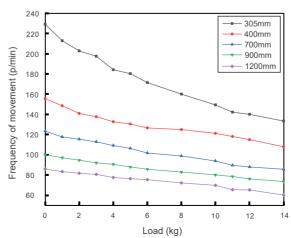








Load - Frequency



Moving trajectory		h	P2	b	P: > P4	3	
Cyclic mode	$P1 \rightarrow P2 \rightarrow P3 \rightarrow P4 \rightarrow P3 \rightarrow P2 \rightarrow P1$						
h(mm)	25	90	125	150	200	250	300
b(mm)	305	400	550	700	900	1200	1500

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