

## Bat-series Delta Robot

# Bat1300N-S20

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

Rated load	20kg
Working space diameter	1300mm
Repeat positioning accuracy	$\pm 0.05$ mm
Configuration	Parallel 2+1 axis

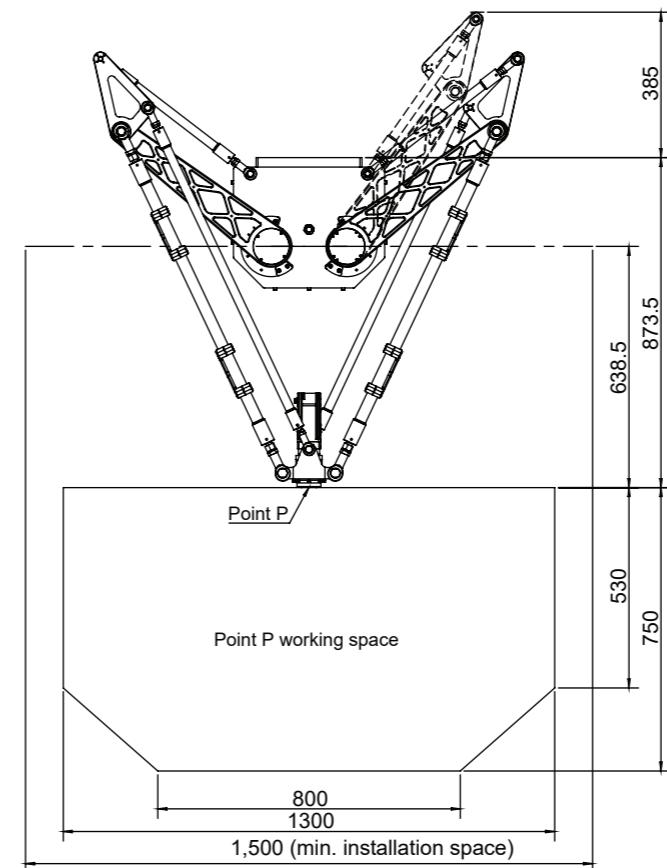


#### Specification

Bat1300N-S20		
Rated load	20kg	
Working space diameter	1300mm	
Number of axes	3	
Repeat positioning accuracy	$\pm 0.05$ mm	
Angular repeat positioning accuracy	$\pm 0.05^\circ$	
25/305/25	0.1kg 1kg 3kg 6kg	0.40s \\ \\ 0.48s
90/400/90	0.1kg 1kg 6kg 15kg	0.51s \\ 0.59s 0.7s
Power supply voltage	Three-phase AC 380 V $\pm 10\%$ , 50/60 Hz	
Rated power	4.6KW	
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 body	0kg	
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

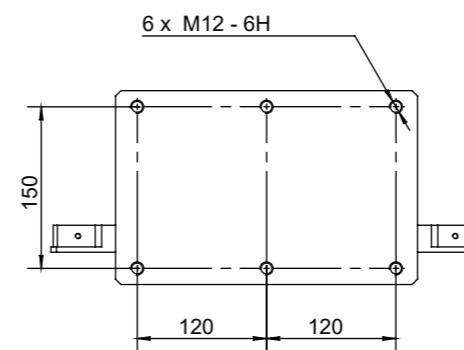


#### Model

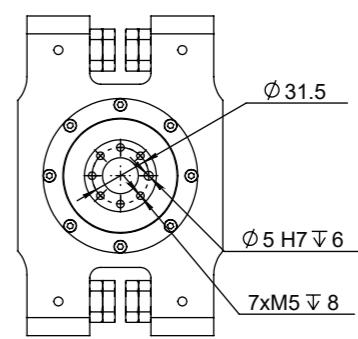
#### Bat1300N-S20

Distance from installation surface to top of equipment	385mm
Distance from installation surface to upper plane of working space	873.5mm
Distance from the reducer shaft center to the upper plane of the working space	638.5mm
Total height of the upper and lower limits of the working space	750mm
Height of the conical frustum part of the working space	220mm
Bottom diameter of the conical column in the working space	800mm
Diameter of the circular table part of the working space	1300mm
Min. installation size of the robot body	1500mm

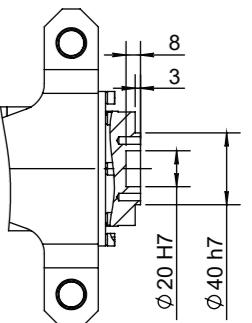
## Installation size



Rack installation size



Installation size at point P



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