TOUCH YOUR DREAMS WITH ROBOT FINGERTIPS



Robotphoenix LLC

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Suzhou subsidiary: Room 607, Building 1, Jinfeng Creative Business Center, No. 1066, Zhujiang South Road, Mudu Town, Wuzhong District, Suzhou, China.

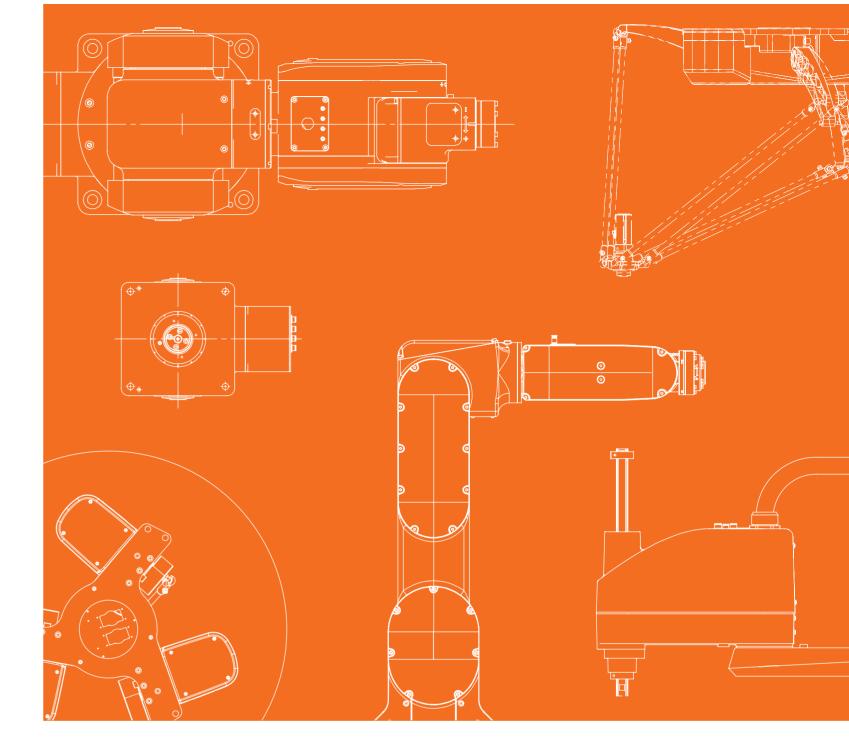


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Our dedication is solely for creating the ultimate.

RobotPhoenix

Selection Manual



A brief overview of robot selection

Delta robot

Bat800-S3/Bat1100-S3 Bat360-S1

Rated load (kg) Precision (mm) Working diameter (mm)

±0.05

360



Rated load (kg) Precision (mm) ±0.05 Working diameter (mm)

Bat360M-S0.5



Working 800/1100



Rated load (kg) Precision (mm) ±0.05 1300 diameter (mm)

Bat1600-S6

Bat series standard 4-axis

Rated load (kg) Precision (mm) ±0.05 Working 1600 diameter (mm)

Bat600/800/1100C-S3

3

Rated load (kg) Precision (mm) Working diameter (mm)

Bat series - 4th axis under-mounted

±0.05 800/1100

Rated load (kg) Precision (mm) Working diameter (mm)

±0.05

1300

Bat series 2+1 2-axis

Bat1300C-S6

Bat1600C-S6

Bat series standard 3-axis

Rated load (kg) Precision (mm) Working diameter (mm)

±0.05 1600

Bat series standard 2-axis

Delta robot

Bat250M-S0.5



Rated load (kg) Precision (mm) Working diameter (mm)

±0.05 250



Rated load (kg) Precision (mm) Working diameter (mm)



±0.05 360



±0.05

1300

Rated load (kg) Precision (mm) Working diameter (mm)



±0.05

1600

B series

Rated load (kg) Precision (mm) Working diameter (mm)

Bat2000M-S15

15 Rated load (kg) ±0.05 Precision (mm) Working 1600 diameter (mm)

SCARA robot

Bat1300N-S20

20 Rated load (kg) ±0.05 Precision (mm) Working 1300 diameter (mm)



6 Rated load (kg) Precision (mm) Working diameter (mm)

±0.05 1100

T series

SCARA robot



Max. load (kg) Arm length (mm) 450/550/650

Python800-B20



Max. load (kg) Arm length (mm) 450/550/650

Python550F-B6

Max. load (kg) 6 Arm length (mm) 450/550/650



Max. load (kg) 450/550/650 Arm length (mm)



20

450/550/650

Max. load (kg) Arm length (mm)



Max. load (kg) Arm length (mm)

6 450/550/650

Bat360-S1

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	1kg
Working space diameter	360mm
Repeat positioning accuracy	±0.05mm
Configuration	Standard 4-axis

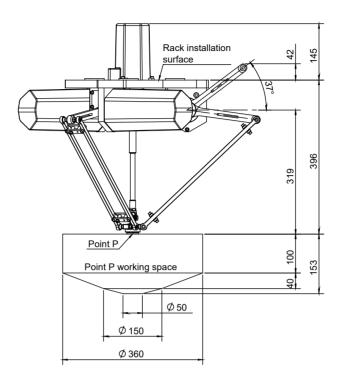


Specification			Bat360-S1			
Rated load			1kg 360mm			
Working space diameter	Working space diameter					
Number of axes			4			
Repeat positioning accura	icy		±0.05mm			
4-axis repeat positioning a	accuracy		±0.1°			
	0.1kg		0.19s			
20/100/20	0.5kg		0.19s			
	1kg		0.19s			
	0.1kg		0.25s			
25/305/25	0.5kg		0.27s			
	1kg		0.3s			
Power supply voltage			Single-phase AC 220 V±10%, 50/60 Hz			
Rated power			0.85KW			
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			25kg			
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			

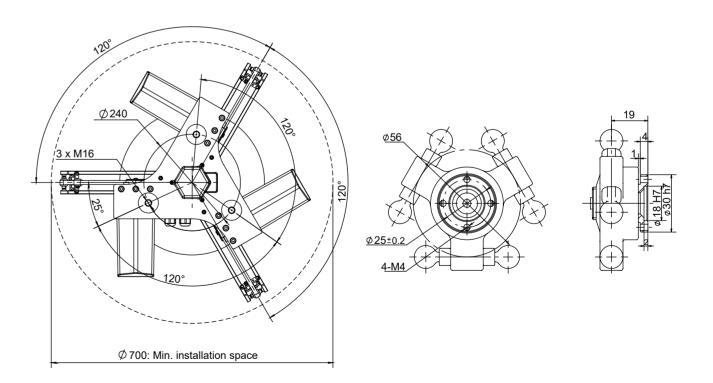
^{*:} For specific requirements regarding line selection, interface configuration, and other optional needs, please consult the technicians of RobotPhoenix.

Working range





Model	Bat360-S1
Distance from installation surface to top of equipment	145mm
Max. upper arm elevation and horizontal plane angle	37°
Max. elevation of the upper arm to the height of the installation surface	42mm
Distance from installation surface to upper plane of working space	396mm
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.

Bat800-S3

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

Applicable industrie

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	Standard 4-axis

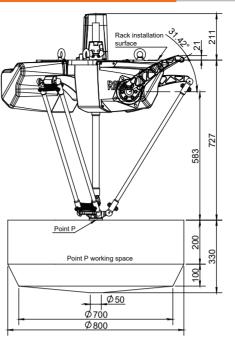


Specification		Bat800-S3		
Rated load		3kg		
Max. load		12kg		
Working space diameter		800mm		
Number of axes		4		
Repeat positioning accura	асу	±0.05mm		
4-axis repeat positioning	accuracy	±0.1°		
	0.1kg	0.25s		
25/305/25	1kg	0.27s		
	3kg	0.33s		
	0.1kg	0.34s		
90/400/90	1kg	0.37s		
	3kg	0.4s		
Power supply voltage		Three-phase AC 380 V±10%, 50/60 Hz		
Rated power		3.4KW		
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		
RS232\RS485		1		
EtherCAT		1		
Communication protocol		Modbus-RTU/TCP、Socket		
Certification		(€ MTBF		

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

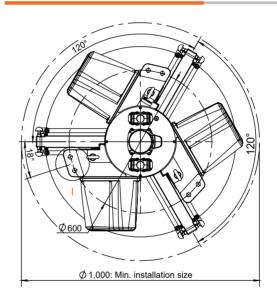
Working range

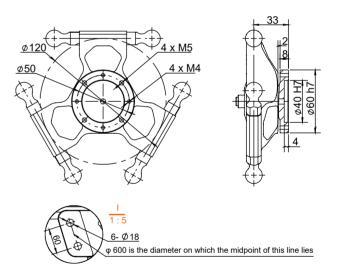


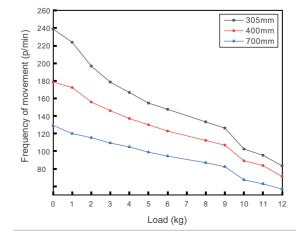


Model	Bat800-S3
Distance from installation surface to top of equipment	211mm
Max. upper arm elevation and horizontal plane angle	31.42°
Max. elevation of the upper arm to the height of the installation surface	e 21mm
Distance from installation surface to upper plane of working space	727mm
Distance from the reducer shaft center to the upper plane of the working space	583mm
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 (unit: mm)







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

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Bat1100-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

Rated load	3kg	
Working space diameter	1100mm	
Repeat positioning accuracy	±0.05mm	
Configuration	Standard 4-axis	

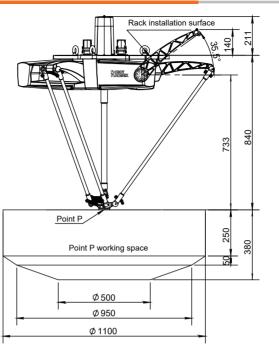


Specification		Bat1100-S3
Rated load		3kg
Max. load		12kg
Working space diameter	-	1100mm
Number of axes		4
Repeat positioning accu	racy	±0.05mm
4-axis repeat positioning	accuracy	±0.1°
	0.1kg	0.23s
25/305/25	1kg	0.25s
	3kg	0.30s
	0.1kg	0.31s
90/400/90	1kg	0.34s
	3kg	0.39s
Power supply voltage	'	Three-phase AC 380 V±10%, 50/60 Hz
Rated power		3.4KW
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	1	60kg
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
Certification		(€

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

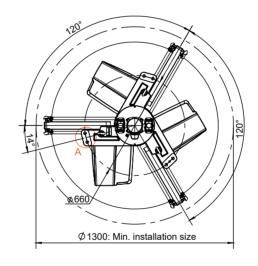
Working range

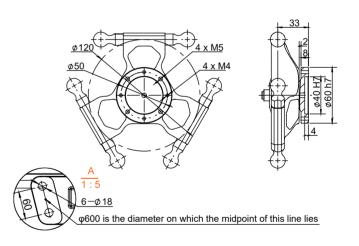


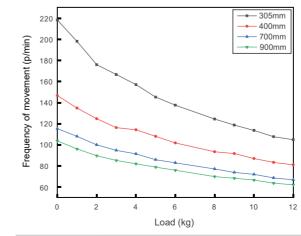


Model	Bat1100-S3
Distance from installation surface to top of equipment	211mm
Max. upper arm elevation and horizontal plane angle	35.5°
Max. elevation of the upper arm to the height of the installation surface	e 140mm
Distance from installation surface to upper plane of working space	840mm
Distance from the reducer shaft center to the upper plane of the working space	e 733mm
Total height of the upper and lower limits of the working space	380mm
Height of the cylindrical part of the working space	250mm
Height of the conical frustum part of the working space	50mm
Transition diameter of the conical column in the working space	950mm
Bottom diameter of the conical column in the working space	500mm
Diameter of the circular table part of the working space	1100mm
Min. installation size of the robot body	1300mm

Installation size







Moving trajectory	$ \begin{array}{c cccc} h & P2 & P3 \\ \hline & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & $						
Cyclic mode		$P1 \longrightarrow P2 \longrightarrow P3 \longrightarrow P4 \longrightarrow P3 \longrightarrow P2 \longrightarrow P1$					
h(mm)	25	90	125	150	200	250	300
b(mm)	305	400	550	700	900	1200	1500

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Bat1300-S6

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	6kg
Working space diameter	1300mm
Repeat positioning accuracy	±0.05mm
Configuration	Standard 4-axis

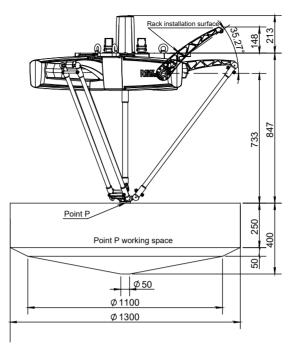


Specification		Bat1300-S6	
Rated load		6kg	
Max. load		14kg	
Working space diameter		1300mm	
Number of axes		4	
Repeat positioning accura	асу	±0.05mm	
4-axis repeat positioning a	accuracy	±0.1°	
	0.1kg	0.25s	
25/305/25	1kg	0.26s	
20,000,20	3kg	0.28s	
	6kg	0.32s	
	0.1kg	0.36s	
90/400/90	1kg	0.36s	
90/400/90	3kg	0.38s	
	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		Suspended type	
Weight of the robot body		100kg	
I/O interface		4-channel configurable digital I/O8-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	
Certification		CE	

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

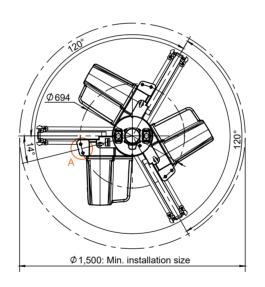
Working range

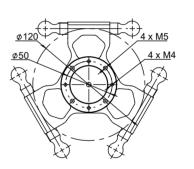


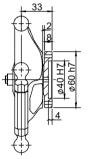


Model	Bat1300-S6
Distance from installation surface to top of equipment	213mm
Max. upper arm elevation and horizontal plane angle	35.27°
Max. elevation of the upper arm to the height of the installation surface	148mm
Distance from installation surface to upper plane of working space	847mm
Distance from the reducer shaft center to the upper plane of the working space	733mm
Total height of the upper and lower limits of the working space	400mm
Height of the cylindrical part of the working space	250mm
Height of the conical frustum part of the working space	50mm
Transition diameter of the conical column in the working space	1100mm
Bottom diameter of the conical column in the working space	50mm
Diameter of the circular table part of the working space	1300mm
Min. installation size of the robot body	1500mm

Installation size

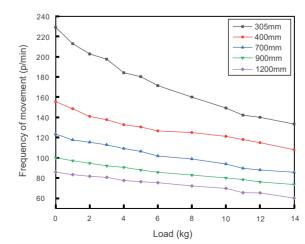








 $6-\phi 18$ $\phi 694$ is the diameter on which the midpoint of this line lies



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

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Bat1600-S6

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

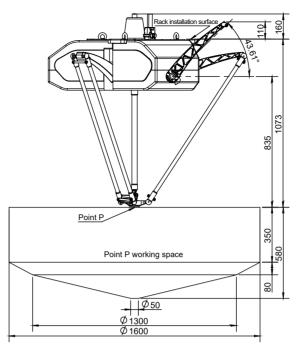


Rated load 14kg	Specification		Bat1600-S6	
Working space diameter 1300mm Number of axes 4 Repeat positioning accuracy ±0.05mm 4-axis repeat positioning accuracy ±0.1° 25/305/25 1kg 0.25s 1kg 0.27s 3kg 0.30s 6kg 0.33s 0.1kg 0.33s 1kg 0.35s 3kg 0.39s 6kg 0.41s Power supply voltage Three-phase AC 380 V±10%, 50/60 Hz Rated power 6kW Ambient temperature 0.45°C Relative humidity 5-95% Degree of protection IPS4 Safety Equipped with monitoring, emergency stop, and installation funct Radiation EMC shielding Installation method Hoisting Weight of the robot body 155kg I/O interface 8-channel configurable digital I/O endotional I/O channels can be added) 2-channel encoder input 2 USB 2 RS232/RS485 1	Rated load		6kg	
Number of axes 4 Repeat positioning accuracy ±0.05mm 4-axis repeat positioning accuracy ±0.1° 25/305/25 1kg 0.25s 1kg 0.27s 3kg 0.30s 6kg 0.33s 0.1kg 0.33s 1kg 0.35s 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 funct Radiation EMC shielding Installation method Hoisting Weight of the robot body 155kg I/O interface 8-channel configurable digital I/O (8 additional I/O channels can be added) 2-channel encoder input Ethernet 2 USB 2 RS232/RS485 1	Max. load		14kg	
Repeat positioning accuracy	Working space diameter		1300mm	
4-axis repeat positioning accuracy	Number of axes		4	
0.1kg	Repeat positioning accuracy	су	±0.05mm	
1kg	4-axis repeat positioning a	ccuracy	±0.1°	
25/305/25 3kg 0.30s		0.1kg	0.25s	
3kg	25/305/25	1kg	0.27s	
90/400/90 1kg 0.33s 0.39s 3kg 0.39s 6kg 0.41s	201000120	3kg	0.30s	
1kg		6kg	0.33s	
3kg		0.1kg	0.33s	
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 funct Radiation EMC shielding Installation method Hoisting Weight of the robot body 155kg I/O interface 4-channel configurable digital I/O (8 additional I/O channels can be added) Ethernet 2 USB 2 RS232\RS485 1	90/400/90	1kg	0.35s	
Power supply voltage Rated power 6KW Ambient temperature 0-45°C Relative humidity 5-95% Degree of protection IP54 Safety Equipped with monitoring, emergency stop, and installation funct EMC shielding Installation method Hoisting Weight of the robot body I/O interface Ethernet 2 USB RS232\RS485 Three-phase AC 380 V±10%, 50/60 Hz FAC 380 V±10%, 50/60 Hz FAC 380 V±10%, 50/60 Hz EWC 380 V±10%, 50/60 Hz FAC 380 V±10%, 50/60	30/400/30	3kg	0.39s	
Rated power Ambient temperature 0-45°C Relative humidity 5-95% Degree of protection IP54 Safety Equipped with monitoring, emergency stop, and installation funct Radiation EMC shielding Installation method Hoisting Weight of the robot body 155kg I/O interface 8-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		6kg	0.41s	
Ambient temperature 0-45°C Relative humidity 5-95% Degree of protection IP54 Safety Equipped with monitoring, emergency stop, and installation funct Radiation EMC shielding Installation method Hoisting Weight of the robot body 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	Power supply voltage		Three-phase AC 380 V±10%, 50/60 Hz	
Relative humidity 5-95% Degree of protection IP54 Safety Equipped with monitoring, emergency stop, and installation funct Radiation EMC shielding Installation method Hoisting Weight of the robot body 155kg I/O interface 4-channel configurable digital I/O (8 additional I/O channels can be added) 2-channel encoder input Ethernet 2 USB 2 RS232\RS485 1	Rated power		6KW	
Degree of protection IP54 Safety Equipped with monitoring, emergency stop, and installation funct Radiation EMC shielding Installation method Hoisting Weight of the robot body 155kg I/O interface 4-channel configurable digital I/O 8-channel universal digital I/O (8 additional I/O channels can be added) Ethernet 2 USB 2 RS232\RS485 1			0-45°C	
Safety Equipped with monitoring, emergency stop, and installation funct Radiation EMC shielding Installation method Hoisting Weight of the robot body 155kg I/O interface 4-channel configurable digital I/O (8 additional I/O channels can be added) 2-channel encoder input Ethernet 2 USB 2 RS232\RS485 1			5-95%	
Radiation EMC shielding Installation method Hoisting Weight of the robot body 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			IP54	
Installation method Weight of the robot body 155kg 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	Safety		Equipped with monitoring, emergency stop, and installation functions	
Weight of the robot body 155kg 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	Radiation		EMC shielding	
Volume V	Installation method		Hoisting	
I/O interface 8-channel universal digital I/O (8 additional I/O channels can be added) 2-channel encoder input USB 2 RS232\RS485 1	Weight of the robot body		155kg	
USB 2 RS232\RS485 1	I/O interface		8-channel universal digital I/O (8 additional I/O channels can be added)	
RS232\RS485 1	Ethernet		2	
	USB		2	
EtherCAT 1	RS232\RS485		1	
	EtherCAT		1	
Communication protocol Modbus-RTU/TCP、Socket	Communication protocol		Modbus-RTU/TCP、Socket	
Certification (€	Certification		C€	

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

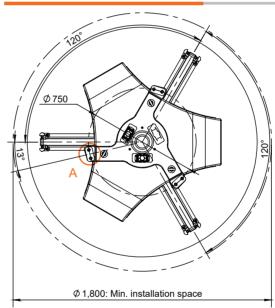
Working range

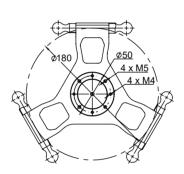


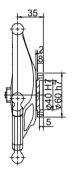


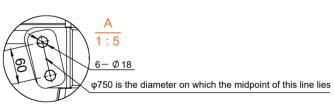
Model	Bat1600-S6
Distance from installation surface to top of equipment	160mm
Max. upper arm elevation and horizontal plane angle	43.61°
Max. elevation of the upper arm to the height of the installation surface	110mm
Distance from installation surface to upper plane of working space	1073mm
Distance from 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)

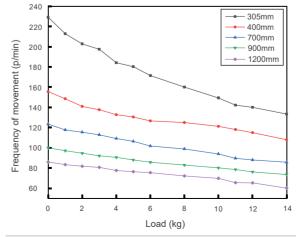








Load - Frequency



Moving trajectory	$ \begin{array}{c cccc} & & & & p_3 \\ & & & & & & & \\ & & & & & & & \\ & & & &$						
Cyclic mode		$P1 \longrightarrow P2 \longrightarrow P3 \longrightarrow P4 \longrightarrow P3 \longrightarrow P2 \longrightarrow P1$					
h(mm)	25	90	125	150	200	250	300
b(mm)	305	400	550	700	900	1200	1500

Bat600C-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	±0.05mm
Configuration	Standard 3-axis

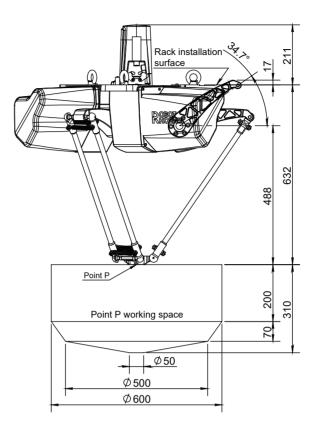


Specification		Bat600C-S3	
Rated load		3kg	
Max. load		12kg	
Working space diameter		600mm	
Number of axes		3	
Repeat positioning accura	асу	±0.05mm	
	0.1kg	0.26s	
25/305/25	1kg	0.27s	
	3kg	0.33s	
	0.1kg	0.33s	
90/400/90	1kg	0.34s	
	3kg	0.38s	
Power supply voltage		Three-phase AC 220 V±10%, 50/60 Hz	
Rated power		3.2KW	
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		67kg	
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	

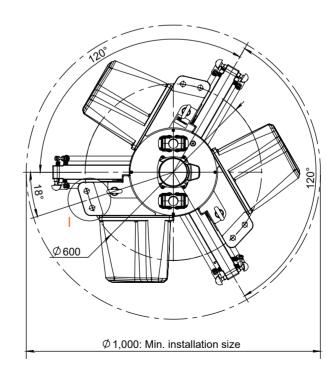
^{*:} For specific requirements regarding line selection, interface configuration, and other optional needs, please consult the technicians of RobotPhoenix.

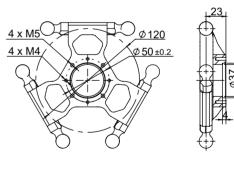
Working range

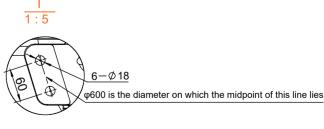


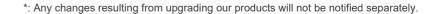


Model	Bat600C-S3
Distance from installation surface to top of equipment	211mm
Max. upper arm elevation and horizontal plane angle	34.7°
Max. elevation of the upper arm to the height of the installation surface	17mm
Distance from installation surface to upper plane of working space	632mm
Distance from the reducer shaft center to the upper plane of the working space	488mm
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









Bat800C-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	Standard 3-axis

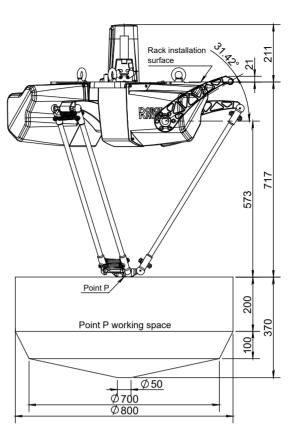


Specification		Bat800C-S3	
Rated load		3kg	
Max. load		12kg	
Working space diameter		800mm	
Number of axes		3	
Repeat positioning accura	су	±0.05mm	
	0.1kg	0.25s	
25/305/25	1kg	0.26s	
	3kg	0.32s	
	0.1kg	0.33s	
90/400/90	1kg	0.34s	
	3kg	0.38s	
Power supply voltage		Three-phase AC 380 V±10%, 50/60 Hz	
Rated power		3.2KW	
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		68kg	
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	
·			

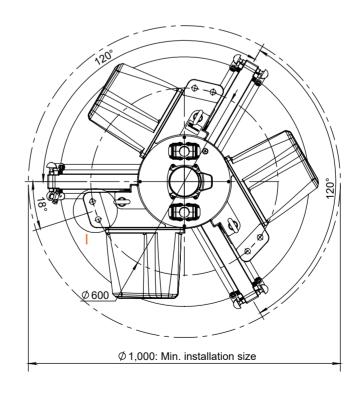
^{*:} For specific requirements regarding line selection, interface configuration, and other optional needs, please consult the technicians of RobotPhoenix.

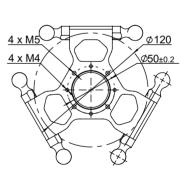
Working range

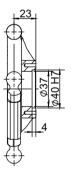


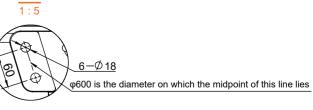


Model	Bat800C-S3
Distance from installation surface to top of equipment	211mm
Max. upper arm elevation and horizontal plane angle	31.42°
Max. elevation of the upper arm to the height of the installation surface	21mm
Distance from installation surface to upper plane of working space	717mm
Distance from the reducer shaft center to the upper plane of the working space	573mm
Total height of the upper and lower limits of the working space	370mm
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









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

Bat1100C-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	1100mm
Repeat positioning accuracy	±0.05mm
Configuration	Standard 3-axis

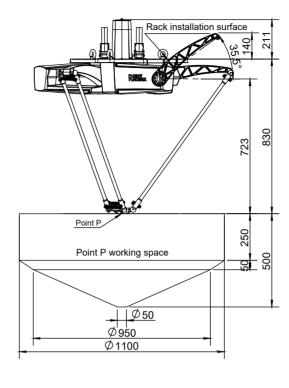


Specification		Bat1100C-S3
Rated load		3kg
Max. load		12kg
Working space diameter		1100mm
Number of axes		3
Repeat positioning accuracy	су	±0.05mm
	0.1kg	0.23s
25/305/25	1kg	0.24s
	3kg	0.30s
	0.1kg	0.30s
90/400/90	1kg	0.32s
	3kg	0.38s
Power supply voltage		Three-phase AC 380 V±10%, 50/60 Hz
Rated power		3.2KW
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		58kg
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

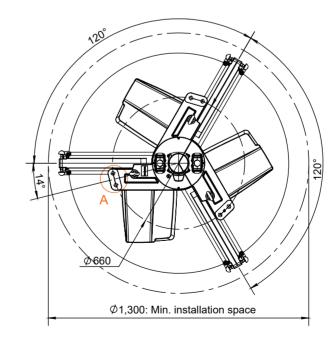
^{*:} For specific requirements regarding line selection, interface configuration, and other optional needs, please consult the technicians of RobotPhoenix.

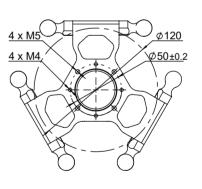
Working range

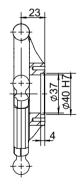


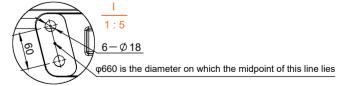


Model	Bat1100C-S3
Distance from installation surface to top of equipment	211mm
Max. upper arm elevation and horizontal plane angle	35.5°
Max. elevation of the upper arm to the height of the installation surface	140mm
Distance from installation surface to upper plane of working space	830mm
Distance from the reducer shaft center to the upper plane of the working space	723mm
Total height of the upper and lower limits of the working space	500mm
Height of the cylindrical part of the working space	250mm
Height of the conical frustum part of the working space	50mm
Transition diameter of the conical column in the working space	950mm
Bottom diameter of the conical column in the working space	50mm
Diameter of the circular table part of the working space	1100mm
Min. installation size of the robot body	1300mm









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

Bat1300C-S6

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	6kg
Working space diameter	1300mm
Repeat positioning accuracy	±0.05mm
Configuration	Standard 3-axis

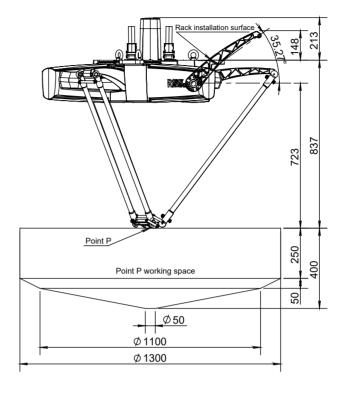


Specification		Bat1300C-S6	
Rated load		6kg	
Max. load		14kg	
Working space diameter		1300mm	
Number of axes		3	
Repeat positioning accura	ісу	±0.05mm	
	0.1kg	0.24s	
0=100=10=	1kg	0.25s	
25/305/25	3kg	0.27s	
	6kg	0.31s	
	0.1kg	0.35s	
	1kg	0.36s	
90/400/90	3kg	0.39s	
	6kg	0.43s	
Power supply voltage		Three-phase AC 380 V±10%, 50/60 Hz	
Rated power		5.6KW	
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		Suspended type	
Weight of the robot body		95kg	
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	
Certification		(€	

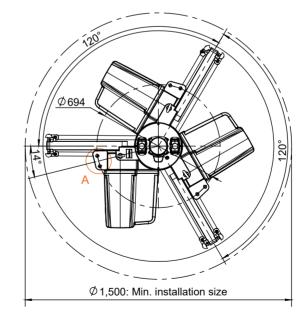
^{*:} For specific requirements regarding line selection, interface configuration, and other optional needs, please consult the technicians of RobotPhoenix.

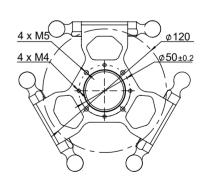
Working range

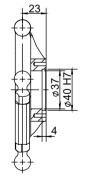


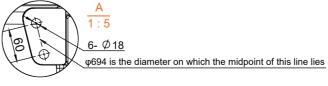


Model	Bat1300C-S6
Distance from installation surface to top of equipment	213mm
Max. upper arm elevation and horizontal plane angle	35.27°
Max. elevation of the upper arm to the height of the installation surface	148mm
Distance from installation surface to upper plane of working space	837mm
Distance from the reducer shaft center to the upper plane of the working space	723mm
Total height of the upper and lower limits of the working space	400mm
Height of the cylindrical part of the working space	250mm
Height of the conical frustum part of the working space	50mm
Transition diameter of the conical column in the working space	1100mm
Bottom diameter of the conical column in the working space	50mm
Diameter of the circular table part of the working space	1300mm
Min. installation size of the robot body	1500mm









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

Bat1600C-S6

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	6kg
Working space diameter	1600mm
Repeat positioning accuracy	±0.05mm
Configuration	Standard 3-axis

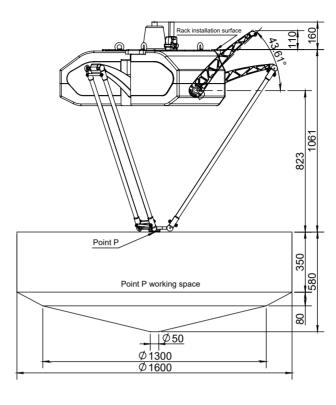


Specification		Bat1600C-S6
Rated load		6kg
Max. load		14kg
Working space diameter	er	1600mm
Number of axes		3
Repeat positioning acc	uracy	±0.05mm
	0.1kg	0.25s
05/005/05	1kg	0.31s
25/305/25	3kg	0.32s
	6kg	0.37s
	0.1kg	0.37s
00/400/00	1kg	0.37s
90/400/90	3kg	0.42s
	6kg	0.46s
Power supply voltage		Three-phase AC 380 V±10%, 50/60 Hz
Rated power		5.6KW
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		Suspended type
Weight of the robot boo	dy	150kg
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
Certification		C€

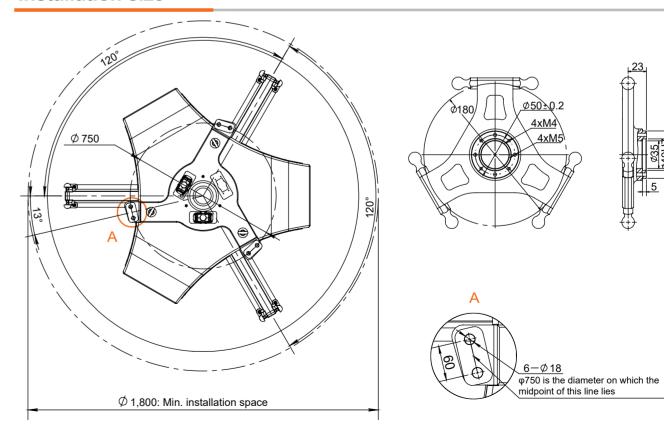
^{*:} For specific requirements regarding line selection, interface configuration, and other optional needs, please consult the technicians of RobotPhoenix.

Working range





Model	Bat1600C-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	1061mm
Distance from the reducer shaft center to the upper plane of the working space	823mm
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



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

Bat250M-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	250mm
Repeat positioning accuracy	±0.05mm
Configuration	4th axis under -mounted

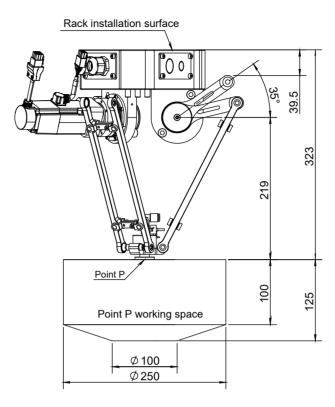


	Specification			Bat250M-S0.5
	Rated load			0.5kg
	Working space diameter			250mm
	Number of axes			4
	Repeat positioning accuracy			±0.05mm
	Angular repeat position	gular repeat positioning accuracy		±0.1°
	20/100/20	0.1kg		0.20s
	20/100/20	0.5kg		0.40s
	25/200/25	0.1kg		0.31s
	25/200/25	0.5kg		0.46s
	Power supply voltage			Single-phase AC 220 V±10%, 50/60 Hz
	Rated power			0.5KW
	Ambient temperature			0-45°C
	Relative humidity Degree of protection			5-95%
				IP54
	Safety			Equipped with monitoring, emergency stop, and safety functions
	Radiation			EMC shielding
	Installation method			Suspended type
	Weight of the robot body			10kg
	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

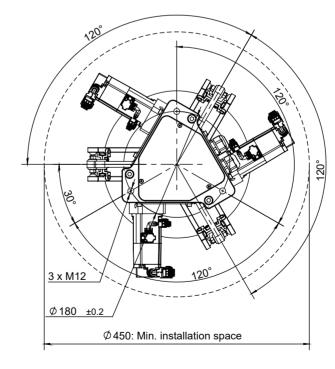
^{*:} For specific requirements regarding line selection, interface configuration, and other optional needs, please consult the technicians of RobotPhoenix.

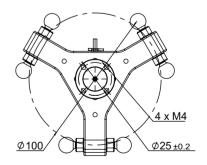
Working range

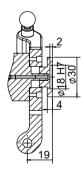




Model	Bat250M-S0.5
Distance from installation surface to top of equipment	0mm
Max. upper arm elevation and horizontal plane angle	35°
Max. elevation of the upper arm to the height of the installation surface	39.5mm
Distance from installation surface to upper plane of working space	323mm
Distance from the reducer shaft center to the upper plane of the working space	219mm
Total height of the upper and lower limits of the working space	125mm
Height of the cylindrical part of the working space	100mm
Height of the conical frustum part of the working space	25mm
Bottom diameter of the conical column in the working space	100mm
Diameter of the circular table part of the working space	250mm
Min. installation size of the robot body	450mm







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

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

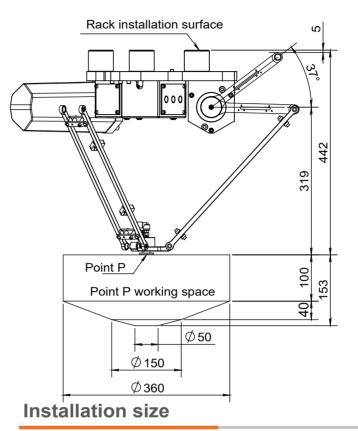
Load	0.5kg
Working space diameter	360mm
Repeat positioning accuracy	±0.05mm
Configuration	4th axis under -mounted



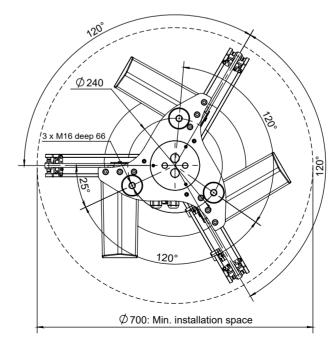
Specification			Bat360M-S0.5	
Rated load			0.5kg	
Working space diameter			360mm	
Number of axes			4	
Repeat positioning accur	racy		±0.05mm	
Angular repeat positionin	Angular repeat positioning accuracy		±0.1°	
20/400/20	0.1kg		0.19s	
20/100/20	0.5kg		0.19s	
0.5 (0.0.0)	0.1kg		0.21s	
25/200/25	0.5kg		0.22s	
	0.1kg		0.28s	
25/305/25	0.5kg		0.28s	
Power supply voltage	<u>'</u>		Single-phase AC 220 V±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	

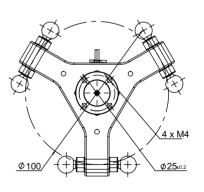
^{*:} For specific requirements regarding line selection, interface configuration, and other optional needs, please consult the technicians of RobotPhoenix.

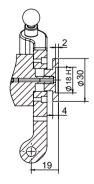
Working range



Model	Bat360M-S0.5
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	9 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.

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

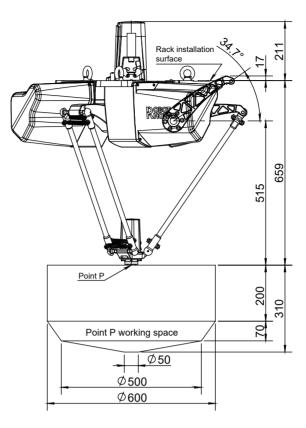
Load	3kg
Working space diameter	600mm
Repeat positioning accuracy	±0.05mm
Configuration	4th axis under -mounted



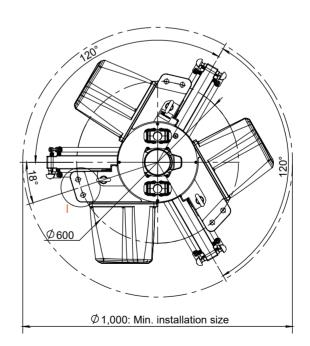
Specification			Bat600M-S3
Rated load			3kg
Max. load			6kg
Working space diameter	•		600mm
Number of axes			4
Repeat positioning accu	racy	:	±0.05mm
Angular repeat positioning	ng accuracy	:	±0.05°
	0.1kg		0.27s
25/305/25	1kg		0.29s
	3kg		0.35s
	0.1kg		0.35s
90/400/90	1kg		0.37s
	3kg		0.42s
Power supply 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	/		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

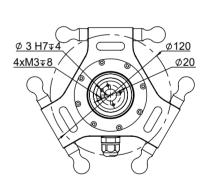
^{*:} For specific requirements regarding line selection, interface configuration, and other optional needs, please consult the technicians of RobotPhoenix.

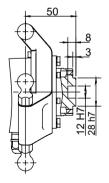
Working range

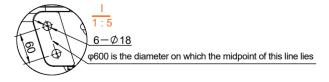


Model	Bat600M-S3
Distance from installation surface to top of equipment	211mm
Max. upper arm elevation and horizontal plane angle	34.7°
Max. elevation of the upper arm to the height of the installation surface	17mm
Distance from installation surface to upper plane of working space	659mm
Distance from 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









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

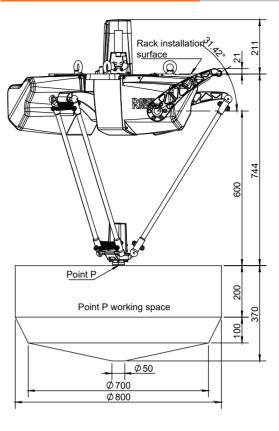


Rated load 3kg Max. load 10kg Working space diameter 800mm Number of axes 4 Repeat positioning accuracy ±0.05mm Angular repeat positioning accuracy ±0.05°	
Working space diameter 800mm Number of axes 4 Repeat positioning accuracy ±0.05mm	
Number of axes 4 Repeat positioning accuracy ±0.05mm	
Repeat positioning accuracy ±0.05mm	
Angular repeat positioning accuracy ±0.05°	
0.1kg 0.26s	
25/305/25 1kg 0.29s	
3kg 0.34s	
0.1kg 0.35s	
90/400/90 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, emergence	cy stop, and installation functions
Radiation EMC shielding	
Installation method Suspended type	
Weight of the robot body 70kg	
4-channel configurable digital I/O I/O interface 8-channel universal digital I/O (8 additional I/O c 2-channel encoder input	hannels can be added)
Ethernet 2	
USB 2	
RS232\RS485 1	
EtherCAT 1	
Communication protocol Modbus-RTU/TCP、Socket	
Certification (E	

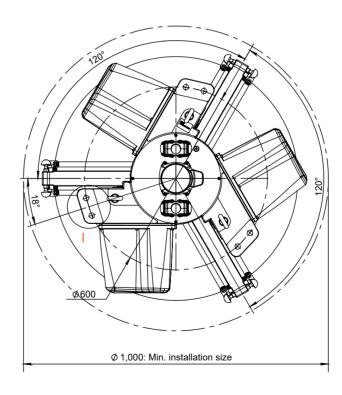
^{*:} For specific requirements regarding line selection, interface configuration, and other optional needs, please consult the technicians of RobotPhoenix.

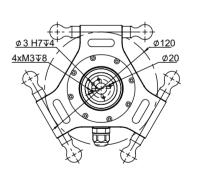
Working range

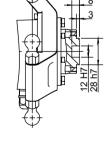


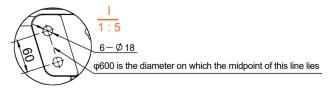


Model	Bat800M-S3
Distance from installation surface to top of equipment	211mm
Max. upper arm elevation and horizontal plane angle	31.42°
Max. elevation of the upper arm to the height of the installation surface	21mm
Distance from installation surface to upper plane of working space	744mm
Distance from 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









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

Bat1100M-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	1100mm
Repeat positioning accuracy	±0.05mm
Configuration	4th axis under

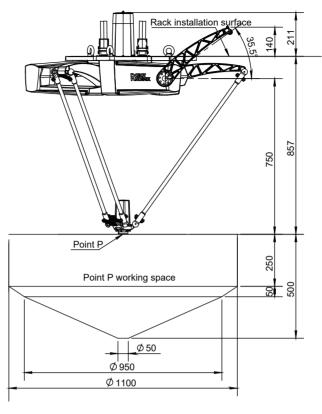


Specification		Bat1100M-S3
Rated load		3kg
Max. load		10kg
Working space diameter		1100mm
Number of axes		4
Repeat positioning accur	асу	±0.05mm
Angular repeat positionin	g accuracy	±0.05°
	0.1kg	0.26s
25/305/25	1kg	0.29s
	3kg	0.34s
	0.1kg	0.35s
90/400/90	1kg	0.37s
	3kg	0.42s
Power supply voltage	'	Three-phase 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		60kg
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
Certification		CE

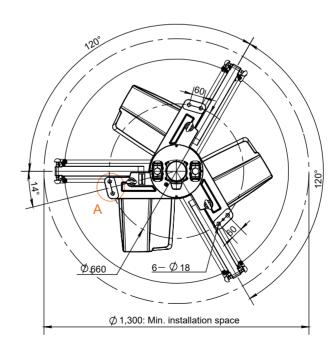
^{*:} For specific requirements regarding line selection, interface configuration, and other optional needs, please consult the technicians of RobotPhoenix.

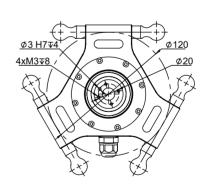
Working range

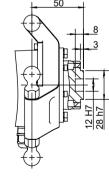


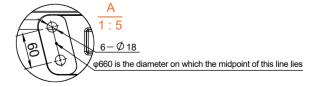


Model	Bat1100M-S3
Distance from installation surface to top of equipment	211mm
Max. upper arm elevation and horizontal plane angle	35.5°
Max. elevation of the upper arm to the height of the installation surface	140mm
Distance from installation surface to upper plane of working space	857mm
Distance from the reducer shaft center to the upper plane of the working space	750mm
Total height of the upper and lower limits of the working space	500mm
Height of the cylindrical part of the working space	250mm
Height of the conical frustum part of the working space	50mm
Transition diameter of the conical column in the working space	950mm
Bottom diameter of the conical column in the working space	50mm
Diameter of the circular table part of the working space	1100mm
Min. installation size of the robot body	1300mm









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

Bat1300M-S15

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	15kg
Working space diameter	1300mm
Repeat positioning accuracy	±0.1mm
Configuration	4th axis under

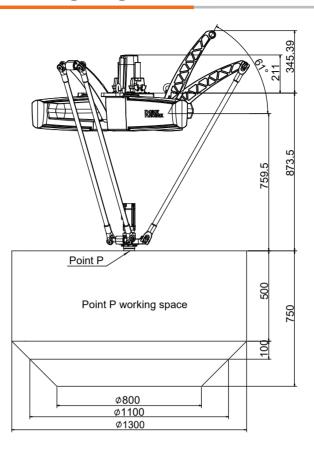


Specification		Bat1300M-S15
Rated load		15kg
Working space diameter		1300mm
Number of axes		4
Repeat positioning accura	су	±0.1mm
Angular repeat positioning	accuracy	±0.05°
	0.1kg	1
25/305/25	3kg	0.38s
	6kg	0.42s
	3kg	0.45s
90/400/90	6kg	0.5s
	15kg	0.61s
Power supply voltage		 Three-phase AC 380 V±10%, 50/60 Hz
Rated power		6.6KW
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		Suspended type
Weight of the robot body		I
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
Certification		CE

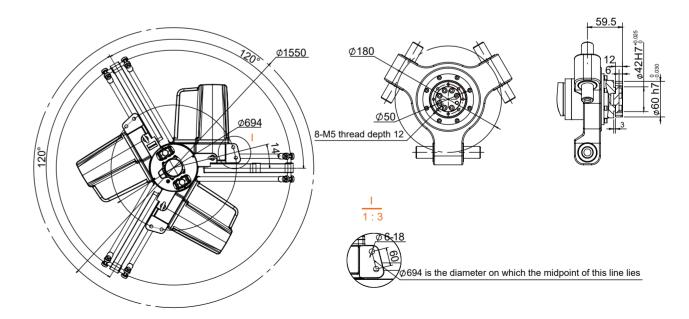
^{*:} For specific requirements regarding line selection, interface configuration, and other optional needs, please consult the technicians of RobotPhoenix.

Working range





Model	Bat1300M-S15
Distance from installation surface to top of equipment	211mm
Max. upper arm elevation and horizontal plane angle	61°
Max. elevation of the upper arm to the height of the installation surface	345.39mm
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	759.5mm
Total height of the upper and lower limits of the working space	750mm
Height of the cylindrical part of the working space	500mm
Height of the conical frustum part of the working space	100mm
Transition diameter of the conical column in the working space	1100mm
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	1550mm
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^{*:} Any changes resulting from upgrading our products will not be notified separately.

Bat2000M-S15

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	15kg
Working space diameter	2000mm
Repeat positioning accuracy	±0.1mm
Configuration	4th axis under

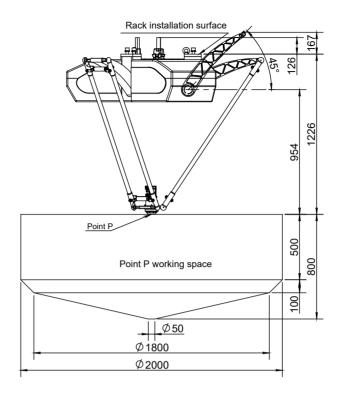


Specification		Bat2000M-S15
Rated load		15kg
Working space diameter		2000mm
Number of axes		4
Repeat positioning accura	су	±0.1mm
Angular repeat positioning	accuracy	±0.05°
	0.1kg	0.39s
25/305/25	1kg	\
23/303/23	3kg	\
	6kg	0.47s
	0.1kg	0.56s
00/400/00	1kg	\
90/400/90	6kg	0.6s
	15kg	0.7s
Power supply voltage		Three-phase AC 380 V±10%, 50/60 Hz
Rated power		6.1KW
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		220kg
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
Certification		CE

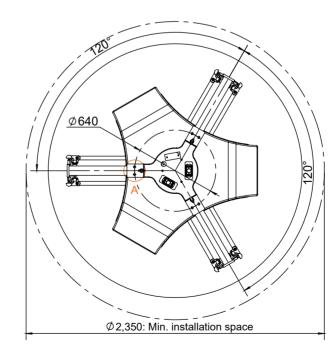
^{*:} For specific requirements regarding line selection, interface configuration, and other optional needs, please consult the technicians of RobotPhoenix.

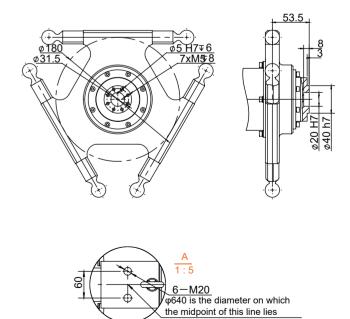
Working range





Model	Bat2000M-S15
Distance from installation surface to top of equipment	126mm
Max. upper arm elevation and horizontal plane angle	45°
Max. elevation of the upper arm to the height of the installation surface	167mm
Distance from installation surface to upper plane of working space	1226mm
Distance from the reducer shaft center to the upper plane of the working space	954mm
Total height of the upper and lower limits of the working space	800mm
Height of the cylindrical part of the working space	500mm
Height of the conical frustum part of the working space	100mm
Transition diameter of the conical column in the working space	1800mm
Bottom diameter of the conical column in the working space	50mm
Diameter of the circular table part of the working space	2000mm
Min. installation size of the robot body	2350mm







Bat1100B-S6

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	6kg
Working space diameter	1100mm
Repeat positioning accuracy	±0.08mm
Configuration	Standard 2-axis

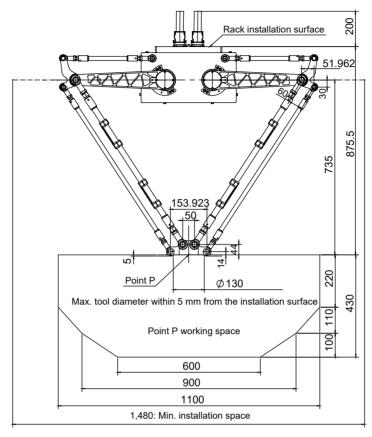


Specification		Bat1100B-S6
Rated load		6kg
Working space diameter		1100mm
Number of axes		2
Repeat positioning accura	су	±0.08mm
	0.1kg	0.40s
25/305/25	1kg	0.42s
23/303/23	3kg	0.45s
	6kg	0.50s
	0.1kg	0.53s
00/400/00	1kg	0.55s
90/400/90	3kg	0.58s
	6kg	0.64s
Power supply voltage		Three-phase AC 380 V±10%, 50/60 Hz
Rated power		2.2kW
Ambient temperature		0-45°C
Relative humidity		5-95%
Degree of protection		IP54
Safety		Equipped with monitoring, emergency stop, and installation functi
Radiation		EMC shielding
Installation method		Hoisting
Weight of the robot body		87kg
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.

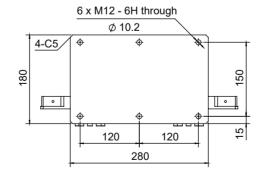
Working range

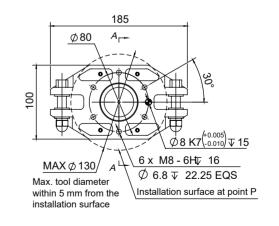


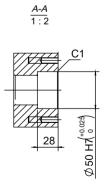


Model	Bat1100B-S6
Distance from installation surface to top of equipment	200mm
Distance from installation surface to upper plane of working space	875.5mm
Distance from the reducer shaft center to the upper plane of the working space	735mm
Total height of the upper and lower limits of the working space	430mm
Height of the conical frustum part of the working space	210mm
Bottom diameter of the conical column in the working space	600mm
Diameter of the circular table part of the working space	1100mm
Min. installation size of the robot body	1480mm

Installation size







Rack installation size

Installation size at point P

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

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	±0.05mm
Configuration	Parallel 2+1 axis

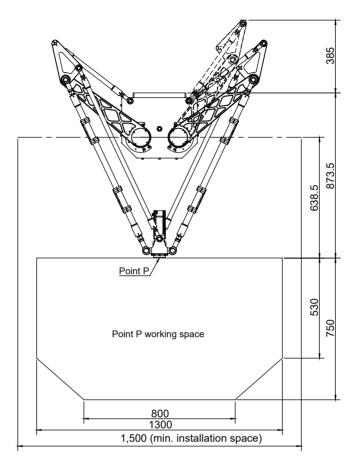


Specification		Bat1300N-S20
Rated load		20kg
Working space diameter		1300mm
Number of axes		3
Repeat positioning accura	асу	±0.05mm
Angular repeat positioning	g accuracy	±0.05°
	0.1kg	0.40s
05/005/05	1kg	1
25/305/25	3kg	1
	6kg	0.48s
	0.1kg	0.51s
90/400/90	1kg	\
90/400/90	6kg	0.59s
	15kg	0.7s
Power supply voltage		Three-phase AC 380 V±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.

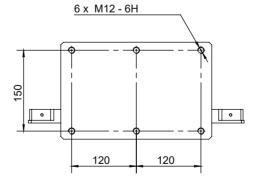
Working range



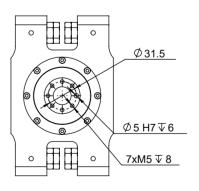


Model	Bat1300N-S20
Distance from installation surface to top of equipment	385mm
Distance from installation surface to upper plane of working space	873.5mm
Distance from the reducer shaft center to the upper plane of the working space	638.5mm
Total height of the upper and lower limits of the working space	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

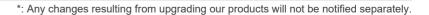








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Python450-B6

With superior speed, accuracy, linearity, and verticality performance, it can quickly and precisely complete tasks such as gluing, assembly, transfer, and packaging.

Applicable industries

Transportation and loading/unloading, dispensing, gluing, assembly and inspection processes in electronics, food, medicine, daily chemicals, and semiconductors.

Product features

Rated load	3kg
Max. load	6kg
Number of axes	4
Installation type	Table-mounted



Specification

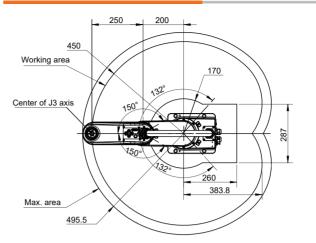
Python45	0-B6	
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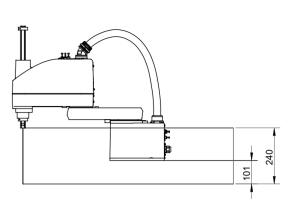
opoomoution.			1 / 11011 100 20	
	Robotic arms 1 & 2		450mm	
Robotic arm length	Robotic arm 1		200mm	
	Robotic arm 2		250mm	
	Joints 1 & 2		6600mm/s	
Max. operating speed	Joint 3		1100mm/s	
	Joint 4		2360°/s	
	Joints 1 & 2		±0.02mm	
Repetitive positioning accuracy	Joint 3		±0.01mm	
	Joint 4		±0.01°	
	Rated		0.01kg·m²	
Joint 4 allowable inertial torque	Max.		0.12kg·m²	
	Joint 1		±132°	
Marking range	Joint 2		±150°	
Working range	Joint 3		240mm	
	Joint 4		±360°	
	0.1kg		0.38s	
25/305/25	1kg		0.38s	
	3kg		0.39s	
Power supply voltage			Single-phase AC 220 V-240 V, 50/60 Hz	
Rated power			1.3KW	
Ambient temperature			0-45°C	
Relative humidity			5-95%	
Degree of protection			IP54	
Installation aperture			172x140mm; 4-φ12	
Electrical interface			15-channel custom I/O	
Airway			φ6*2+φ4*2	
Weight			24 kg (excluding cables)	
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	
USB			_	
RS232\RS485			1	

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

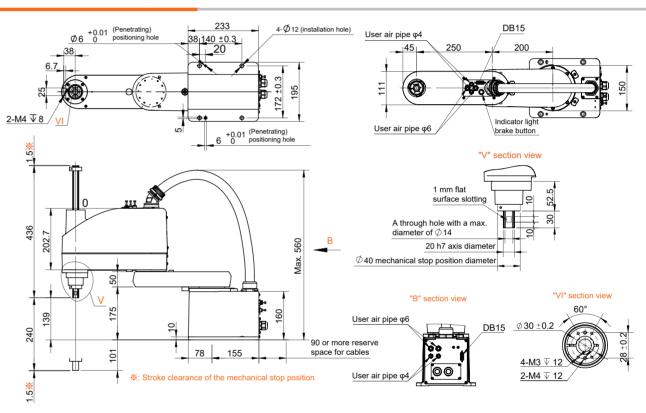


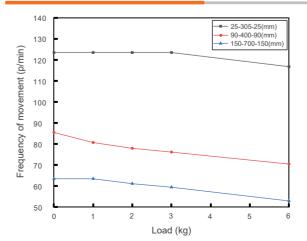






Installation size (unit: mm)





Moving trajectory	h	P2 ← P1	b	P3	
Cyclic mode	$P1 \longrightarrow P2 \longrightarrow P3 \longrightarrow P4 \longrightarrow P3 \longrightarrow P2 \longrightarrow P1$			P1	
h(mm)	25	90	100	150	200
b(mm)	305	400	500	700	900

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

Python550-B6

With superior speed, accuracy, linearity, and verticality performance, it can quickly and precisely complete tasks such as gluing, assembly, transfer, and packaging.

Applicable industries

Transportation and loading/unloading, dispensing, gluing, assembly and inspection processes in electronics, food, medicine, daily chemicals, and semiconductors.

Product features

Rated load	3kg
Max. load	6kg
Number of axes	4
Installation type	Floor-mounted

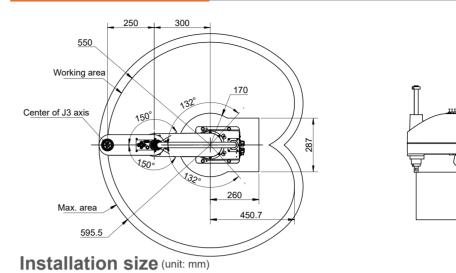


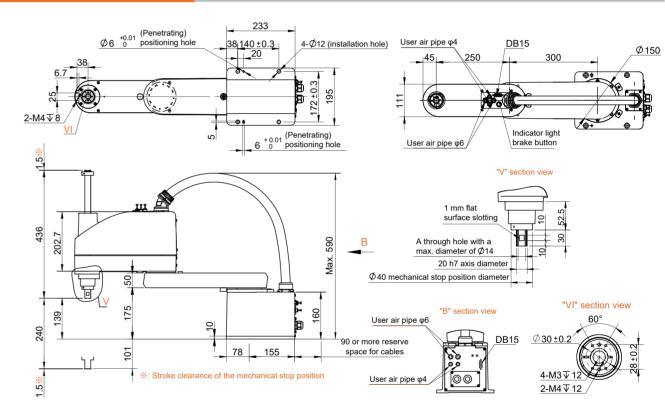
Specification			Python550-B6		
Robotic arms 1 & 2			550mm		
Robotic arm length	Robotic arm 1		300mm		
	Robotic arm 2		250mm		
	Joints 1 & 2		7400mm/s		
Max. operating speed	Joint 3		1100mm/s		
	Joint 4		2360°/s		
	Joints 1 & 2		±0.02mm		
Repeat positioning accuracy	Joint 3		±0.01mm		
	Joint 4		±0.01°		
	Rated		0.01kg·m²		
Joint 4 allowable inertial torque	Max.		0.12kg·m²		
	Joint 1		±132°		
	Joint 2		±150°		
Working range	Joint 3		240mm		
	Joint 4		±360°		
	0.1kg		0.36s		
25/305/25	1kg		0.36s		
	3kg		0.37s		
Power supply voltage		_	Single-phase AC 220 V-240 V, 50/60 Hz		
Rated power			1.3KW		
Ambient temperature			0-45°C		
Relative humidity			5-95%		
Degree of protection			IP54		
Installation aperture			172x140mm; 4-φ12		
Electrical interface			15-channel custom I/O		
Airway			φ6*2+φ4*2		
Weight			25 kg (excluding cables)		
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		
Certification			CE		

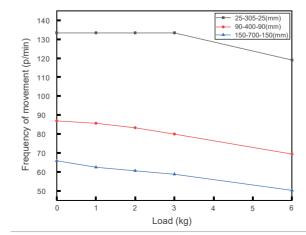
*: For specific requirements regarding line selection, interface configuration, and other optional needs, please consult the technicians of RobotPhoenix.

Working range (unit: mm)









Moving trajectory	, L				
Cyclic mode	P1	$P1 \rightarrow P2 \rightarrow P3 \rightarrow P4 \rightarrow P3 \rightarrow P2$			P1
h(mm)	25	90	100	150	200
b(mm)	305	400	500	700	900

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

Python650-B6

With superior speed, accuracy, linearity, and verticality performance, it can quickly and precisely complete tasks such as gluing, assembly, transfer, and packaging.

Applicable industries

Transportation and loading/unloading, dispensing, gluing, assembly and inspection processes in electronics, food, medicine, daily chemicals, and semiconductors.

Product features

Rated load	3kg
Max. load	6kg
Number of axes	4
Installation type	Floor-mounted

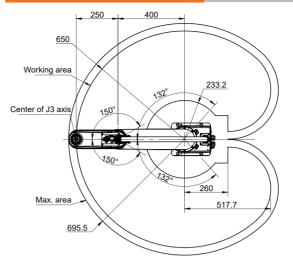


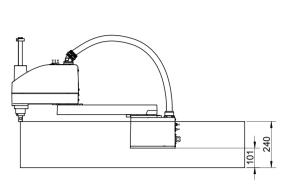
Specification			Python650-B6	
	Robotic arms 1 & 2	1	650mm	
	Robotic arm 1		400mm	
Robotic arm length	Robotic arm 2		250mm	
	Joints 1 & 2		8200mm/s	
	Joint 3		1100mm/s	
Max. operating speed	Joint 4		2360°/s	
	Joints 1 & 2		±0.02mm	
	Joint 3		±0.01mm	
Repeat positioning accuracy	Joint 4		±0.01°	
	Rated		0.01kg·m²	
1	Max.		0.12kg·m²	
Joint 4 allowable inertial torque	Joint 1		±132°	
	Joint 2		±150°	
VA/ 1.	Joint 3		240mm	
Working range	Joint 4		±360°	
	0.1kg		0.37s	
	1kg		0.37s	
25/305/25	3kg		0.39s	
Power supply voltage		Single-phase AC 220 V-240 V, 50/60 Hz		
Rated power			1.3KW	
Ambient temperature			0-45°C	
Relative humidity			5-95%	
Degree of protection			IP54	
Installation aperture			172x140mm; 4-φ12	
Electrical interface			15-channel custom I/O	
Airway			φ6*2+φ4*2	
Weight			26 kg (excluding cables)	
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.

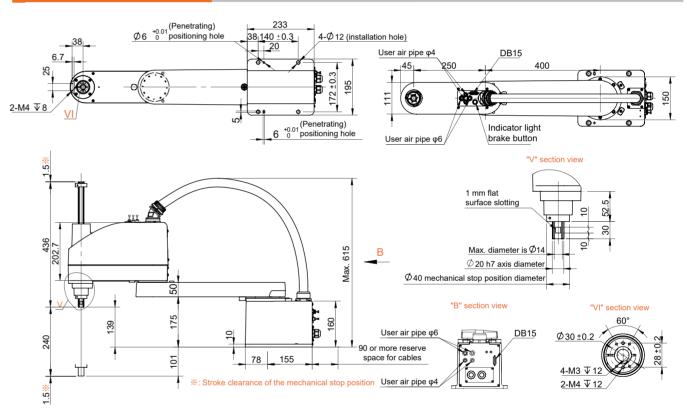
Working range (unit: mm)

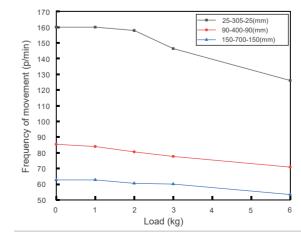






Installation size (unit: mm)





Moving trajectory	h \	P2 	b	P3	
Cyclic mode	P1	$P1 \longrightarrow P2 \longrightarrow P3 \longrightarrow P4 \longrightarrow P3 \longrightarrow P2 \longrightarrow P1$			P1
h(mm)	25	90	100	150	200
b(mm)	305	400	500	700	900

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

Python800-B20

With superior speed, accuracy, linearity, and verticality performance, it can quickly and precisely complete tasks such as gluing, assembly, transfer, and packaging.

Applicable industries

Transportation and loading/unloading, dispensing, gluing, assembly and inspection processes in electronics, food, medicine, daily chemicals, and semiconductors.

Product features

Rated load	10kg
Max. load	20kg
Number of axes	4
Installation type	Floor-mounted



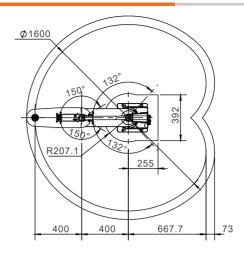
Specification

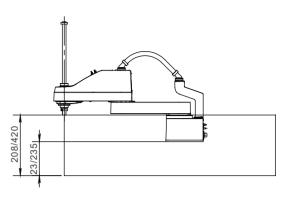
•	Robotic arms 1 & 2	800mm
Robotic arm length	Robotic arm 1	400mm
resource and longer	Robotic arm 1	400mm
	Joints 1 & 2	8830mm/s
May operating apped	Joint 3	
Max. operating speed	Joint 3	1600mm/s
		1600°/s
D	Joints 1 & 2	±0.025mm
Repeat positioning accuracy	Joint 3	±0.01mm ±0.01°
	Joint 4	0.02kg·m²
Joint 4 allowable inertial torque	Rated	
·	Max.	0.3kg·m²
	Joint 1	±132°
Working range	Joint 2	±150°
5 5	Joint 3	208/420mm
	Joint 4	±360°
	0.1kg	0.41s
25/305/25	1kg	0.43s
	3kg	0.46s
Power supply voltage		Single-phase AC 220 V-240 V, 50/60 Hz
Rated power		2.4kW
Ambient temperature		0-45°C
Relative humidity		5-95%
Installation aperture		160x210mm; 4-φ12
Electrical interface		15-channel custom I/O
Airway		φ6*2+φ4*2
Weight		40 kg (excluding cables)
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.

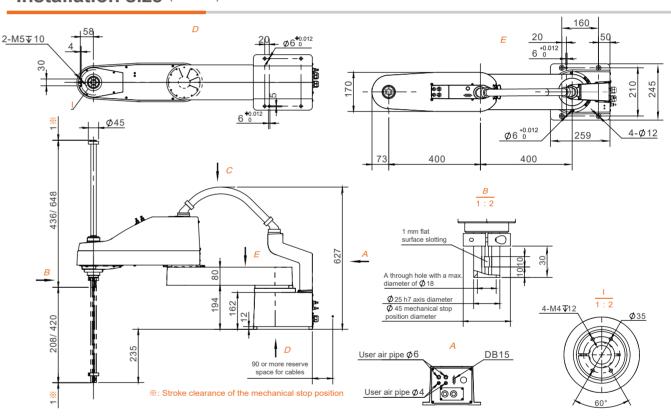
Working range (unit: mm)

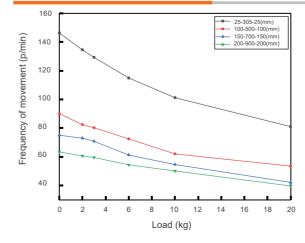






Installation size (unit: mm)





Moving trajectory	h P2		b	P3	
Cyclic mode	P1	\rightarrow P2 \rightarrow P	$3 \rightarrow P4 \rightarrow F$	P3 → P2 →	P1
h(mm)	25	90	100	150	200
b(mm)	305	400	500	700	900

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

Python550F-B6

With superior speed, accuracy, linearity, and verticality performance, it can quickly and precisely complete tasks such as gluing, assembly, transfer, and packaging.

Applicable industries

Transportation and loading/unloading, dispensing, gluing, assembly and inspection processes in electronics, food, medicine, daily chemicals, and semiconductors.

Product features

Rated load	3kg
Max. load	6kg
Number of axes	4
Installation type	Hoisting



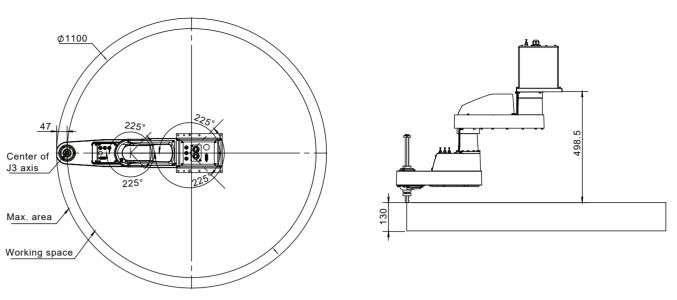
		550		

•		
	Robotic arms 1 & 2	550mm
Robotic arm length	Robotic arm 1	275mm
	Robotic arm 2	275mm
	Joints 1 & 2	7400mm/s
Max. operating speed	Joint 3	1100mm/s
	Joint 4	2600°/s
	Joints 1 & 2	±0.02mm
Repeat positioning accuracy	Joint 3	±0.01mm
	Joint 4	±0.01°
Interest A allowed by the second	Rated	0.005kg·m²
Joint 4 allowable inertial torque	Max.	0.05kg·m²
	Joint 1	±225°
NA/ 1:	Joint 2	±225°
Working range	Joint 3	130mm
	Joint 4	±720°
	0.1kg	1
25/305/25	3kg	0.5s
	6kg	0.52s
Power supply voltage		Single-phase AC 220 V-240 V, 50/60 Hz
Rated power		1.3KW
Ambient temperature		0-45°C
Relative humidity		5-95%
Degree of protection		IP54
Installation aperture		190x160mm; 6-φ6.5
Electrical interface		10-channel custom I/O
Airway		φ4*3
Weight		20 kg (excluding cables and racks)
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		1
USB		2
RS232\RS485		1
Communication protocol		Modbus-RTU/TCP、Socket

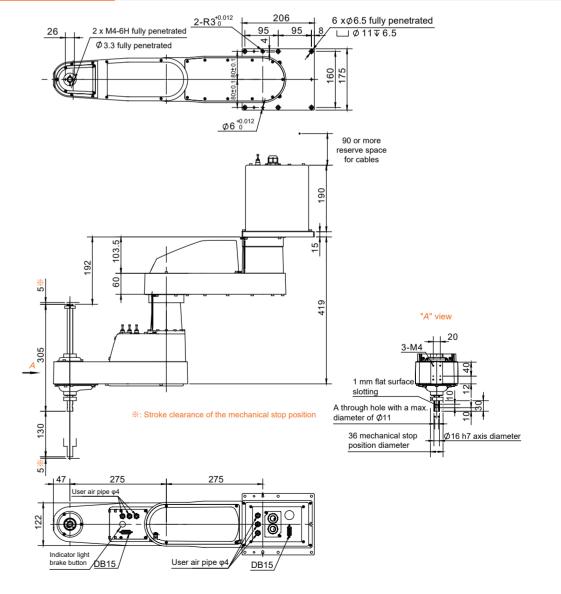
^{*:} For specific requirements regarding line selection, interface configuration, and other optional needs, please consult the technicians of RobotPhoenix.

Working range (unit: mm)





Installation size (unit: mm)



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

Python450-T6

With superior speed, accuracy, linearity, and verticality performance, it can quickly and precisely complete tasks such as gluing, assembly, transfer, and packaging.

Applicable industries

Transportation and loading/unloading, dispensing, gluing, assembly and inspection processes in electronics, food, medicine, daily chemicals, and semiconductors.

Product features

Rated load	3kg
Max. load	6kg
Number of axes	4
Installation type	Floor-mounted



Specification

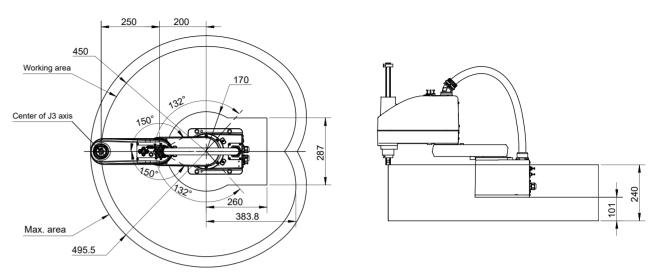
Pvthon450-T6				

			. ,
	Robotic arms 1 & 2		450mm
Robotic arm length	Robotic arm 1		200mm
	Robotic arm 2		250mm
	Joints 1 & 2		6600mm/s
Max. operating speed	Joint 3		1100mm/s
, , ,	Joint 4		2360°/s
	Joints 1 & 2		±0.02mm
Repeat positioning accuracy	Joint 3		±0.01mm
	Joint 4		±0.01°
	Rated		0.01kg·m²
Joint 4 allowable inertial torque	Max.		0.12kg·m²
	Joint 1		±132°
	Joint 2		±150°
Working range	Joint 3		240mm
	Joint 4		±360°
25/300/25	2kg		0.38s
	Rated		3kg
Load	Max.		6kg
Power supply voltage		_	Single-phase AC 220 V±10%, 50/60 Hz
Rated power			0.85KW
Ambient temperature			0-45°C
Relative humidity			5-95%
Degree of protection			IP54
Installation aperture			172x140mm; 4-φ12
Electrical interface			15-channel custom I/O
Airway			φ6*2+φ4*2
Weight			24 kg (excluding cables)
I/O interface		System I/O: 8 channels input, 8 channels output User I/O: 24 channels input, 12 channels output External encoder: 4 channels	
Ethernet			1
USB			2
RS232\RS485			1
Communication protocol			Modbus-RTU/TCP、Socket

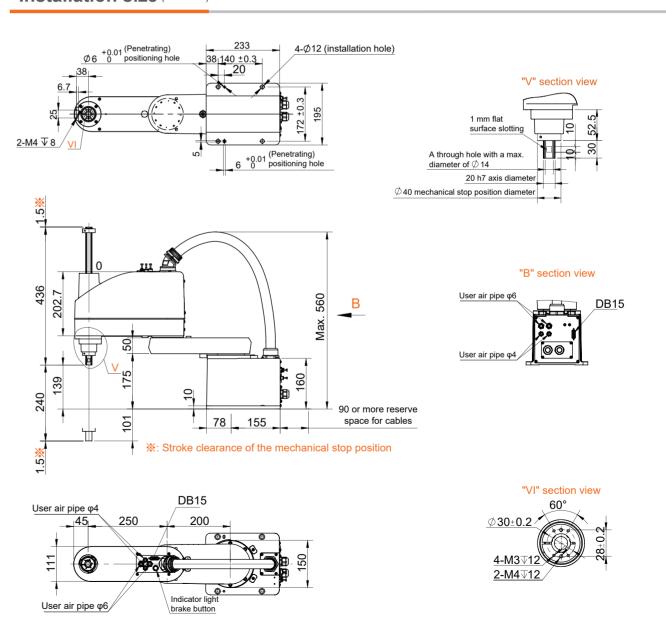
^{*:} For specific requirements regarding line selection, interface configuration, and other optional needs, please consult the technicians of RobotPhoenix.

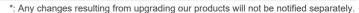
Working range (unit: mm)





Installation size (unit: mm)





Python550-T6

With superior speed, accuracy, linearity, and verticality performance, it can quickly and precisely complete tasks such as gluing, assembly, transfer, and packaging.

Applicable industries

Transportation and loading/unloading, dispensing, gluing, assembly and inspection processes in electronics, food, medicine, daily chemicals, and semiconductors.

Product features

Rated load	3kg
Max. load	6kg
Number of axes	4
Installation type	Floor-mounted



Specification

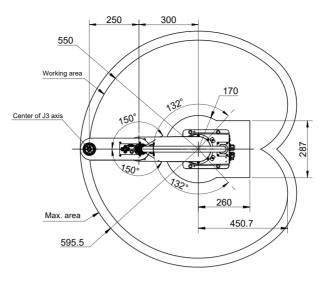
Pvthon550-T	-6

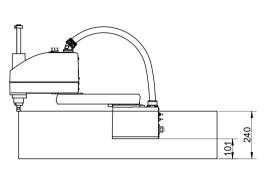
•				
	Robotic arms 1 & 2		550mm	
Robotic arm length	Robotic arm 1		300mm	
	Robotic arm 2		250mm	
	Joints 1 & 2		6600mm/s	
Max. operating speed	Joint 3		1100mm/s	
	Joint 4		2360°/s	
	Joints 1 & 2		±0.02mm	
Repeat positioning accuracy	Joint 3		±0.01mm	
	Joint 4		±0.01°	
laint A allawahla in artial tanawa	Rated		0.01kg·m²	
Joint 4 allowable inertial torque	Max.		0.12kg·m²	
	Joint 1		±132°	
10/	Joint 2		±150°	
Working range	Joint 3		240mm	
	Joint 4		±360°	
25/300/25	2kg		0.39s	
	Rated		3kg	
Load	Max.		6kg	
Power supply voltage			Single-phase AC 220 V-240 V, 50/60 Hz	
Rated power			0.85KW	
Ambient temperature			0-45°C	
Relative humidity			5-95%	
Degree of protection			IP54	
Installation aperture			172x140mm; 4-φ12	
Electrical interface			15-channel custom I/O	
Airway		φ6*2+φ4*2		
Weight			25 kg (excluding cables)	
I/O interface		System I/O: 8 channels input, 8 channels output User I/O: 24 channels input, 12 channels output External encoder: 4 channels		
Ethernet			1	
USB			2	
RS232\RS485			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.

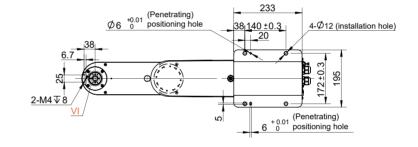
Working range (unit: mm)

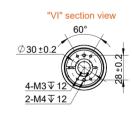


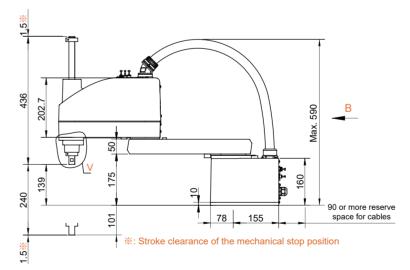




Installation size (unit: mm)

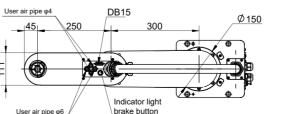


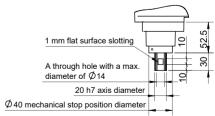






"V" section view





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

Python650-T6

With superior speed, accuracy, linearity, and verticality performance, it can quickly and precisely complete tasks such as gluing, assembly, transfer, and packaging.

Applicable industries

Transportation and loading/unloading, dispensing, gluing, assembly and inspection processes in electronics, food, medicine, daily chemicals, and semiconductors.

Product features

Rated load	3kg
Max. load	6kg
Number of axes	4
Installation type	Floor-mounted



Specification

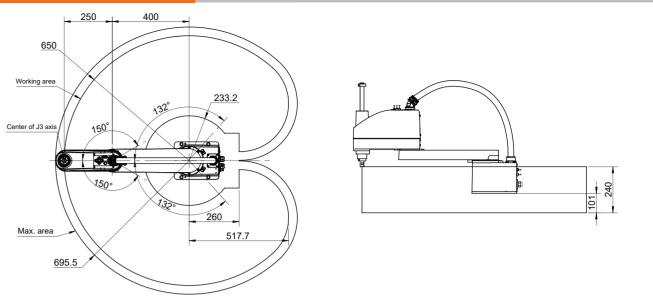
Python650-T6

- P					
	Robotic arms 1 & 2		650mm		
Robotic arm length	Robotic arm 1		400mm		
	Robotic arm 2		250mm		
	Joints 1 & 2		8200mm/s		
Max. operating speed	Joint 3		1100mm/s		
	Joint 4		2360°/s		
	Joints 1 & 2		±0.02mm		
Repeat positioning accuracy	Joint 3		±0.01mm		
	Joint 4		±0.01°		
	Rated		0.01kg·m²		
Joint 4 allowable inertial torque	Max.		0.12kg·m²		
	Joint 1		±132°		
Manking name	Joint 2		±150°		
Working range	Joint 3		240mm		
	Joint 4		±360°		
25/300/25	2kg		0.4s		
Land	Rated		3kg		
Load	Max.		6kg		
Power supply voltage			Single-phase AC 220 V±10%, 50/60 Hz		
Rated power			1.3KW		
Ambient temperature			0-45°C		
Relative humidity			5-95%		
Degree of protection			IP54		
Installation aperture			172x140mm; 4-φ12		
Electrical interface			15-channel custom I/O		
Airway			φ6*2+φ4*2		
Weight			26 kg (excluding cables)		
I/O interface			System I/O: 8 channels input, 8 channels output User I/O: 24 channels input, 12 channels output External encoder: 4 channels		
Ethernet			1		
USB			2		
RS232\RS485			1		
Communication protocol			Modbus-RTU/TCP、Socket		

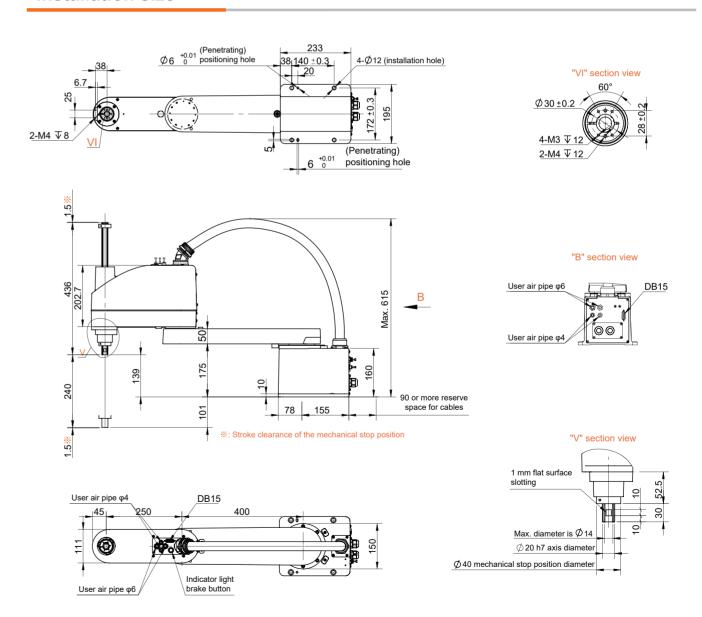
^{*:} For specific requirements regarding line selection, interface configuration, and other optional needs, please consult the technicians of RobotPhoenix.

Working range (unit: mm)





Installation size (unit: mm)



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

Python800-T20

With superior speed, accuracy, linearity, and verticality performance, it can quickly and precisely complete tasks such as gluing, assembly, transfer, and packaging.

Applicable industries

Transportation and loading/unloading, dispensing, gluing, assembly and inspection processes in electronics, food, medicine, daily chemicals, and semiconductors.

Product features

Rated load	10kg
Max. load	20kg
Number of axes	4
Installation type	Floor-mounted



Specification

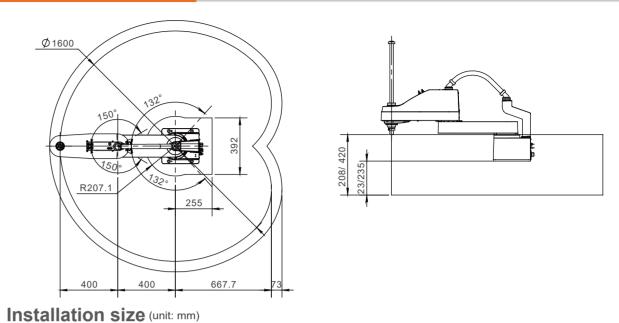
P۱	/thon	800.	.T20
1 1	/ LI IOI I	OUU-	- 1 2 0

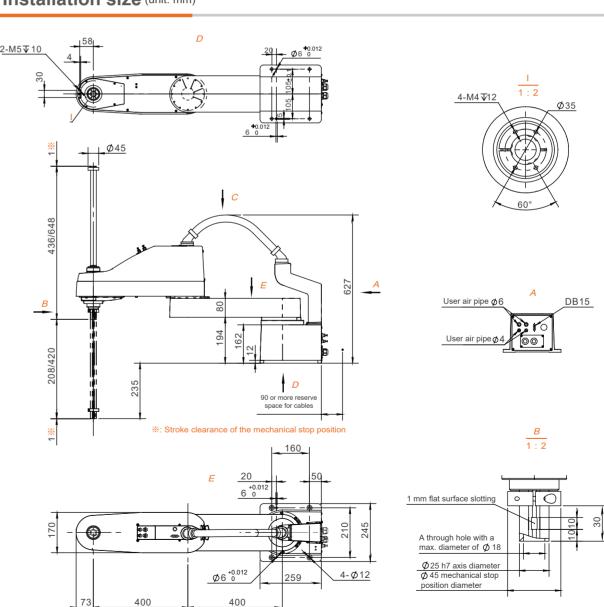
-		
	Robotic arms 1 & 2	800mm
Robotic arm length	Robotic arm 1	400mm
	Robotic arm 2	400mm
	Joints 1 & 2	8830mm/s
Max. operating speed	Joint 3	1600mm/s
	Joint 4	1600°/s
	Joints 1 & 2	±0.025mm
Repeat positioning accuracy	Joint 3	±0.01mm
	Joint 4	±0.01°
	Rated	0.02kg·m²
Joint 4 allowable inertial torque	Max.	0.3kg·m²
	Joint 1	±132°
Working range	Joint 2	±150°
	Joint 3	208mm/420mm
	Joint 4	±360°
	0.1kg	0.4s
25/305/25	1kg	0.42s
	3kg	0.46s
Power supply voltage		Single-phase AC 220 V-240 V, 50/60 Hz
Rated power		2.4KW
Ambient temperature		0-45°C
Relative humidity		5-95%
Installation aperture		160x210mm; 4-φ12
Electrical interface		15-channel custom I/O
Airway		φ6*2+φ4*2
Weight		40 kg (excluding cables)
I/O interface		System I/O: 8 channels input, 8 channels output User I/O: 24 channels input, 12 channels output External encoder: 4 channels
Ethernet		2
USB		2
RS232\RS485		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 (unit: mm)







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

Python550F-T6

With superior speed, accuracy, linearity, and verticality performance, it can quickly and precisely complete tasks such as gluing, assembly, transfer, and packaging.

Applicable industries

Transportation and loading/unloading, dispensing, gluing, assembly and inspection processes in electronics, food, medicine, daily chemicals, and semiconductors.

Product features

Rated load	3kg
Max. load	6kg
Number of axes	4
Installation type	Hoisting



Specification

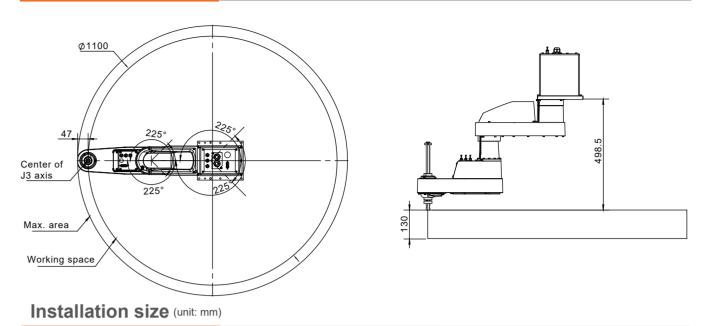
Python550F-T6

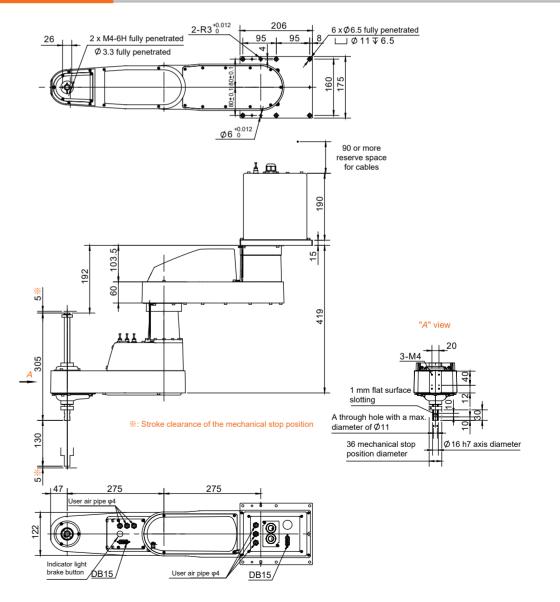
-				
	Robotic arms 1 & 2		550mm	
Robotic arm length	Robotic arm 1		275mm	
	Robotic arm 2		275mm	
	Joints 1 & 2		7400mm/s	
Max. operating speed	Joint 3		1100mm/s	
	Joint 4		2600°/s	
	Joints 1 & 2		±0.02mm	
Repeat positioning accuracy	Joint 3		±0.01mm	
	Joint 4		±0.01°	
1.4 11 11 2 2 11	Rated		0.005kg·m²	
Joint 4 allowable inertial torque	Max.		0.05kg·m²	
	Joint 1		±225°	
Working range	Joint 2		±225°	
	Joint 3		130mm	
	Joint 4		±720°	
	0.1kg		0.35s	
25/305/25	1kg		0.45s	
	3kg		0.45s	
Power supply voltage			Single-phase AC 220 V-240 V, 50/60 Hz	
Rated power			1.3kW	
Ambient temperature			0-45°C	
Relative humidity			5-95%	
Degree of protection			IP54	
Installation aperture			190x160mm; 6-φ6.5	
Electrical interface			10-channel custom I/O	
Airway			φ4*3	
Weight			20 kg (excluding cables and racks)	
I/O interface			System I/O: 8 channels input, 8 channels output User I/O: 24 channels input, 12 channels output External encoder: 4 channels	
Ethernet			1	
USB			2	
RS232\RS485			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 (unit: mm)







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

List of robot selection

Bat-series Delta Robot

Specification	1	Bat360-S1	Bat800-S3	Bat1100-S3	Bat1300-S6	Bat1600-S6		
Configuration				Standard 4-axis				
Rated load		1kg	3kg	3kg	6kg	6kg		
Max. load		1	12kg	12kg	14kg	14kg		
Working space	e diameter	360mm	800mm	1100mm	1300mm	1600mm		
Number of ax	es	4	4	4	4	4		
Repeat position	ning accuracy	±0.05mm	±0.05mm	±0.05mm	±0.05mm	±0.05mm		
4-axis angular rep		±0.1°	±0.1°	±0.1°	±0.1°	±0.1°		
	0.1kg	0.25s	0.25s	0.23s	0.25s	0.25s		
05/005/05	1kg	0.35s	0.27s	0.25s	0.26s	0.27s		
25/305/25	3kg	1	0.33s	0.30s	0.28s	0.30s		
	6kg	1	/	/	0.32s	0.33s		
	0.1kg	1	0.34s	0.31s	0.36s	0.33s		
	1kg	1	0.37s	0.34s	0.36s	0.35s		
90/400/90	3kg	1	0.4s	0.39s	0.38s	0.39s		
	6kg	1	/	/	0.41s	0.41s		
	15kg	1	/	/	/	/		
Power supply voltage 2		Single-phase AC 220 V±10%, 50/60 Hz	Three-phase AC 380 V±10%, 50/60 Hz					
Rated power		0.85kW	3.4kW	3.4kW	6kW	6kW		
Ambient temperature		'		0-45°C				
Relative hum	idity			5-95%				
Degree of pro	tection			IP54				
Safety			Equipped with	Equipped with monitoring, emergency stop, and safety functions				
Radiation				EMC shielding				
Installation m	ethod		Hoisting					
Weight of the	robot body	25kg	70kg	60kg	100kg	155kg		
I/O interface 12-channel universal digital I/O;			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		1		2				
RS232/RS48	5			1				
Ethercat				1				
Communicati	on protocol		Mo	odbus-RTU/TCP、Soci	ket			

Bat-series Delta Robot

Specification	·	Bat600C-S3	Bat800C-S3	Bat1100C-S3	Bat1300C-S6	Bat1600C-S		
Configuration				Standard 3-axis				
Rated load		3kg	3kg	3kg	6kg	6kg		
Max. load		12kg	12kg	12kg	14kg	14kg		
Working space	e diameter	600mm	800mm	1100mm	1300mm	1600mm		
Number of ax	es	3	3	3	3	3		
Repeat position	ning accuracy	±0.05mm	±0.05mm	±0.05mm	±0.05mm	±0.05mm		
4-axis angular rep		/	1	1	/	/		
	0.1kg	0.26s	0.25s	0.23s	0.24s	0.25s		
05/005/05	1kg	0.27s	0.26s	0.24s	0.25s	0.31s		
25/305/25	3kg	0.33s	0.32s	0.30s	0.27s	0.32s		
	6kg	/	/	/	0.31s	0.37s		
	0.1kg	0.33s	0.33s	0.30s	0.35s	0.37s		
	1kg	0.34s	0.34s	0.32s	0.36s	0.37s		
90/400/90	3kg	0.38s	0.38s	0.38s	0.39s	0.42s		
	6kg	/	1	/	0.43s	0.46s		
	15kg	/	1	1	/	1		
Power supply voltage		Three-phase AC 380 V±10%, 50/60 Hz						
Rated power		3.2kW	3.2kW	3.2kW	5.6kW	5.6kW		
Ambient temperature		0-45°C						
Relative humidity		5-95%						
Degree of pro	otection	IP54						
Safety		Equipped with monitoring, emergency stop, and safety functions						
Radiation		EMC shielding						
Installation m	ethod		Hoisting					
Weight of the	robot body	67kg	68kg	58kg	95kg	150kg		
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/RS48	5		1					
Ethercat				1				
Communicati	on protocol		Modk	ous-RTU/TCP、Socket				

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List of robot selection

Bat-series Delta Robot

Specification	1	Bat250M-S0.5	Bat360M-S0.5	Bat600M-S3	Bat800M-S3	Bat1100M-S3		
Configuration			4	4th axis under-mounte	th axis under-mounted			
Rated load		0.5kg	0.5kg	3kg	3kg	3kg		
Max. load		/	1	10kg	10kg	10kg		
Working space	e diameter	250mm	360mm	600mm	800mm	1100mm		
Number of ax	es	4	4	4	4	4		
Repeat position	ing accuracy	±0.05mm	±0.05mm	±0.05mm	±0.05mm	±0.05mm		
4-axis angular rep positioning accura		±0.1°	±0.1°	±0.05°	±0.05°	±0.05°		
	0.1kg	0.20s	0.19s	0.27s	0.26s	0.26s		
	0.5kg	0.40s	0.19s	/	/	/		
25/305/25	1kg	/	1	0.29s	0.29s	0.29s		
	3kg	/	1	0.35s	0.34s	0.34s		
	6kg	/	1	1	0.41s	/		
	0.1kg	/	1	0.35s	0.35s	0.35s		
90/400/90	1kg	/	1	0.37s	0.37s	0.37s		
	3kg	/	1	0.42s	0.42s	0.42s		
	6kg	/	1	1	0.49s	/		
	15kg	/	1	1	1	/		
Power supply voltage		Single-phase AC 220 V±10%, 50/60 Hz Three-phase AC 380 V±10%, 50/60 Hz						
Rated power		0.5kW	0.8kW	3.3kW	3.3kW	3.3kW		
Ambient temperature				0-45°C	'			
Relative humi	idity			5-95%				
Degree of pro	tection			IP54				
Safety		Equipped with monitoring, emergency stop, and safety functions						
Radiation			EMC shielding					
Installation m	ethod			Hoisting				
Weight of the	robot body	10kg	24kg	69kg	70kg	60kg		
I/O interface			versal digital I/O encoder input	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		1		2				
RS232/RS48	5			1				
Ethercat				1				
Communication	on protocol		Modbu	is-RTU/TCP、Socket				

Bat-series Delta Robot

Specification		Bat1300M-S15	Bat2000M-S15	Bat1100B-S6	Bat1300N-S20		
Configuration		4th axis und	er-mounted	Standard 2-axis	2+1 axis		
Rated load		15kg	15kg	6kg	20kg		
Max. load		/	1	1	1		
Working spac	e diameter	1300mm	2000mm	1100mm	1300mm		
Number of ax	es	4	4	2	3		
Repeat position	ing accuracy	±0.1mm	±0.1mm	±0.08mm	±0.05mm		
4-axis angular rep positioning accura		±0.05°	±0.05°	/	±0.05°		
	0.1kg	/	0.39s	0.40s	0.40s		
05/005/05	1kg	1	1	0.42s	1		
25/305/25	3kg	0.38s	1	0.46s	1		
	6kg	0.42s	0.47s	0.50s	0.48s		
	0.1kg	1	0.56s	0.53s	0.51s		
	1kg	1	1	0.55s	1		
90/400/90	3kg	0.45s	1	0.58s	1		
	6kg	0.5s	0.6s	0.64s	0.59s		
	15kg	0.61s	0.7s	1	0.7s		
Power supply voltage							
Rated power		6.6kW	6.1kW	2.2kW	4.6kW		
Ambient temperature			0-4	5°C			
Relative humidity			5-9	5%			
Degree of pro	tection		IP:	54			
Safety		Equippe	Equipped with monitoring, emergency stop, and safety functions				
Radiation			EMC shielding				
Installation me	ethod		Hoisting				
Weight of the robot body		1	220kg	87kg	120kg		
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	2			
USB			2	2			
RS232/RS48	5		1				
Ethercat							
Communication	on protocol		Modbus-RTU/TC	P.Socket			

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List of robot selection

Python-series SCARA Robot

Specification		Python450-B6	Python550-B6	Python650-B6	Python800-B20	Python550F-B6			
Robotic arm length	Robotic arms 1 & 2	450mm	550mm	650mm	800mm	550mm			
	Robotic arm 1	200mm	300mm	400mm	400mm	275mm			
	Robotic arm 2	250mm	250mm	250mm	400mm	275mm			
Max. operating speed	Joints 1 & 2	6600mm/s	7400mm/s	8200mm/s	8830mm/s	7400mm/s			
	Joint 3	1100mm/s	1100mm/s	1100mm/s	1600mm/s	1100mm/s			
	Joint 4	2360°/s	2360°/s	2360°/s	1600°/s	1600°/s			
Repeat positioning accuracy	Joints 1 & 2	±0.02mm	±0.02mm	±0.02mm	±0.025mm	±0.02mm			
	Joint 3	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm			
	Joint 4	±0.01°	±0.01°	±0.01°	±0.01°	±0.01°			
Number of axes	;	4	4	4	4	4			
Load	Rated	3kg	3kg	3kg	10kg	3kg			
	Max.	6kg	6kg	6kg	20kg	6kg			
Joint 4 allowable inertial torque	Rated	0.01kg·m²	0.01kg·m²	0.01kg·m²	0.02kg·m²	0.005kg·m²			
	Max.	0.12kg·m²	0.12kg·m²	0.12kg·m²	0.3kg·m²	0.05kg·m²			
Working range	Joint 1	±132°	±132°	±132°	±132°	±225°			
	Joint 2	±150°	±150°	±150°	±150°	±225°			
	Joint 3	240mm	240mm	240mm	420mm	100mm			
	Joint 4	±360°	±360°	±360°	±360°	±720°			
25/305/25	0.1kg	0.38s	0.39s	0.37s	0.41s	/			
	1kg	0.38s	0.39s	0.37s	0.43s	0.5s			
	3kg	0.39s	0.42s	0.41s	0.46s	0.52s			
25/300/25	2kg	1	/	/	/	/			
Electricity	Power supply voltage								
	Rated power	1.3kW 2.4kW 1.3kW							
Environmental conditions	Ambient temperature								
	Humidity	5-95%							
	Degree of protection								
Measurement	Installation hole location	160×210ι 172×140mm;4-φ12 4-φ11				160×190mm; 4-φ6.5			
User line	Electrical interface	15-channel custom I/O 10-channel custom I							
	Airway	φ6*2+φ4*2 φ4*3							
Installation type			Hoisting						
Weight		24 kg (excluding cables)	25 kg (excluding cables)	26 kg (excluding cables)	40 kg (excluding cables)	20 kg (excluding cable			
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							
EtherCAT				1					
RS232/RS485				1					
Communication	protocol		N	lodbus-RTU/TCP、Socke	et				

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

Python-series SCARA Robot

Specification		Python450-T6	Python550-T6	Python650-T6	Python800-T20	Python550F-T6			
Robotic arm length	Robotic arms 1 & 2	450mm	550mm	650mm	800mm	550mm			
	Robotic arm 1	200mm	300mm	400mm	400mm	275mm			
	Robotic arm 2	250mm	250mm	250mm	400mm	275mm			
Max. operating speed	Joints 1 & 2	6600mm/s	7400mm/s	8200mm/s	8830mm/s	7400mm/s			
	Joint 3	1100mm/s	1100mm/s	1100mm/s	1600mm/s	1100mm/s			
	Joint 4	2360°/s	2360°/s	2360°/s	1600°/s	2600°/s			
Repeat positioning accuracy	Joints 1 & 2	±0.02mm	±0.02mm	±0.02mm	±0.025mm	±0.02mm			
	Joint 3	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm			
	Joint 4	±0.01°	±0.01°	±0.01°	±0.01°	±0.01°			
Number of axes		4	4	4	4	4			
	Rated	3kg	3kg	3kg	10kg	3kg			
Load	Max.	6kg	6kg	6kg	20kg	6kg			
Joint 4	Rated	0.01kg·m²	0.01kg·m²	0.01kg·m²	0.02kg·m²	0.005kg·m²			
allowable inertial torque	Max.	0.12kg·m²	0.12kg·m²	0.12kg·m²	0.3kg·m²	0.05kg·m²			
iliertiai torque	Joint 1	±132°	±132°	±132°	±132°	±225°			
	Joint 2	±150°	±150°	±150°	±150°	±225°			
Working range	Joint 3	240mm	240mm	240mm	420mm	100mm			
	Joint 4	±360°	±360°	±360°	±360°	±720°			
25/305/25	0.1kg	/	/	0.37s	0.4s	0.35s			
	1kg	1	/	0.37s	0.42s	0.45s			
	3kg	1	/	0.41s	0.46s	0.45s			
25/300/25	2kg	0.38s	0.39s	/	/	/			
Electricity	Power supply voltage	0.000							
	Rated power		1.3kW						
	Ambient temperature								
Environmental	Relative humidity								
conditions	Degree of protection	IP54							
Measurement	Installation hole location	1	160×190mm; 4-φ6.5						
User line	Electrical interface	15-channel custom I/O 10-channel custor							
User lille	Airway		φ4*3						
Installation type			Hoisting						
Weight		24 kg (excluding cables)	25 kg (excluding cables)	26 kg (excluding cables)	40 kg (excluding cables)	20 kg (excluding cables)			
I/O interface		System I/O: 8 channels input, 8 channels output; User I/O: 24 channels input, 12 channels output; External encoder: 4 channels							
Ethernet		2							
USB		2							
RS232/RS485		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.