

Z-Arm 1632

Product Manual

Main Business: Industrial Robot
Collaborative Robot
Electric Gripper



Z-Arm 1632



Collaborative Robotic Arm

Leading Light Collaborative Robotic Arm Provider

Less Volume, More Accuracy

Be able to work in narrow place and act flexible.

Simple Operation, Multiple Function

Handholding teach, easy-learning, secondary development supportive

Cheaper But Safer

Minimum Z-Arm Mini
makes Your Creation Maximum.

/High precision/

±0.01mm
Repeatability

/High speed/

1017mm/s

/Heavy payload/

1kg

/Wide reach/

J1 axis 160mm
J2 axis 160mm

/Broad range/

J1 axis ±90°
J2 axis ±143°
Z axis stroke 160mm
Rotation range of R axis ±180°

/Cost-effective/

Industrial quality,
affordable price.

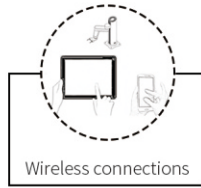
/Collaboration/

Safety-related
monitored stop

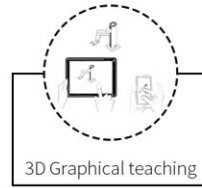
/Communication mode/

Wi-fi
Ethernet

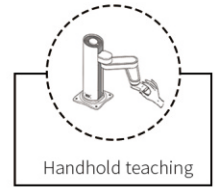
Usage



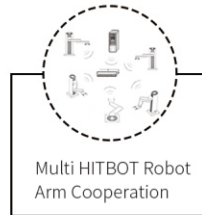
Wireless connections



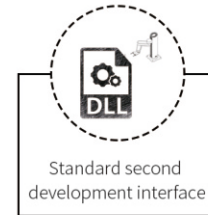
3D Graphical teaching



Handhold teaching

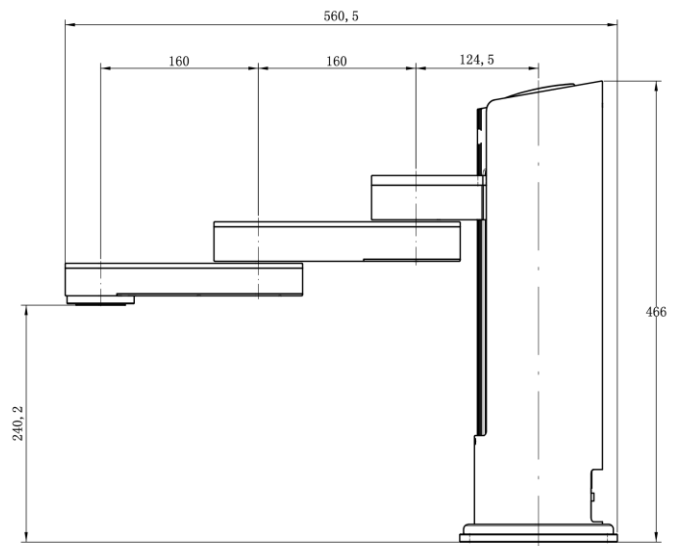
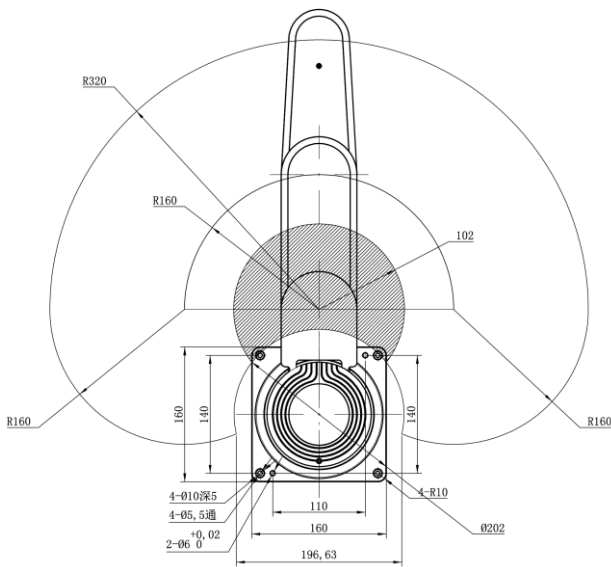


Multi HITBOT Robot Arm Cooperation



Standard second development interface

Range of motion and dimensional drawing



 Specification table

Parameter			model	
			Z-Arm 1632 non-collaborative	Z-Arm 1632 Collaborative
Basic Information	J1-axis	Arm length	160mm	
		Rotation angle	±90°	
	J2-axis	Arm length	160mm	
		Rotation angle	±143°	
	Z-axis	Stroke	160mm	
	R-axis	Rotation angle	±180°	
linear velocity			1017mm/s(500g payload)	
Repeatability			±0.01mm	
Rated payload			0.5kg	
Maximum payload			1kg	
Degree of freedom			4	
Power			220V/110V 50~60Hz	
			Adapter to 24V DC	
Communication			Wifi/Ethernet	
Extensibility			The built-in motion controller, provides 6 I/O	
I/O□	Digital input (isolated)		3	
	Digital output (isolated)		3	
	Analog input(4-20mA)		/	
	Analog output (4-20mA)		/	
Height			466mm	
Weight			9kg	
Base installation parameters	Overall size		160mm*160mm*8mm	
	Mounting hole spacing	140mm*140mm		
		With 4 M5*12 screws		
Safety-related monitored stop			×	√
Handhold teaching			×	√



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