



LIGHTWEIGHT COLLABORATIVE ROBOTS

ROBOT ARMS | ROBOT GRIPPERS | ELECTRIC ACTUATORS



Leading Provider of Lightweight Collaborative Robots

– HITBOT



Z-Arm Robot Arm

HITBOT Z-Arm cobots are lightweight 4-axis collaborative robots with drive motor built inside, and no longer require reducers like other traditional scara, reducing the cost by 40%. HITBOT Z-Arm cobots can realize functions including but not limited to 3D printing, material handling, welding, and laser engraving. It is capable of greatly improving the efficiency and flexibility of your work and production.

Z-EFG Series Robot Grippers

HITBOT Z-EFG series robot grippers are in small size with a built-in servo system, which makes it possible to achieve precise control of speed, position, and clamping force. HITBOT cutting edge gripping system for automation solutions will let you open new possibilities for automating tasks that you never thought possible.



Z-Mod Electric Actuators

Z-Mod has made great innovations in the traditional smart electric cylinder form, not only completely eliminating the coupling, but also highly integrating the external motor and controller inside the smart electric cylinder, achieving true integration; Maximize the use of space; maximize the use of travel.



Z-Arm Robot Arm

Pioneer of Direct Drive Robotic Arm





Collaborative and safe	Traditional robots are always costly and not good at handling soft materials and not easy to be redeployed. HITBOT Z-Arm robot arm, on the other hand, are designed to be user-friendly and collaborative, which allows cooperating with workers.
Quick deployment	HITBOT Z-Arm Robot arms are compact and lightweight, making it quite easy to be redeployed according to production demands. It is a good choice for those manufacturers who are doing small bath production or multiple categories production.
Space saving	HITBOT Z-Arm robot arm can be placed virtually anywhere it fits, for example, at the corner of the production line, or close to other machines, reaching great flexibility at its best.
Easy to use	HITBOT Z-Arm robot arms are quite simple and smart, enabling operators with no programming experience to complete the programming process and start tabletop automation within 5 minutes.
Cost-Effective	Offering a competitive price comparable to non-collaborative traditional robots, HITBOT provides table-top robot arms at amazingly affordable prices which greatly lowers the entry level of industrial automation

Applications



Circuit board soldering



Laser engraving



3D printing



Dispensing



Material sorting



Screwdriving







Automatic retailing

/ Model Number Definition

Z-ArmT2140C0F - FXXX-01

C- C: collaborative

T- Space: 4 axis F: 5 axis T: 3 axis 21- Z-axis travel: 210mm

40- Arm reach: 400mm

0- 0: Silver; 1: black

F- F: Non-standard version XXX- Client number 01- version number

*Z-axis height:Customizable

Specifications

		Model Number				
Specifications			Z-Arm 2140C collaborative version		Z-Arm 1632C collaborative version	
		Arm reach	200)mm	160mm	
	J1 Axis	Rotation range	±90°		±90°	
Basic	10. 4. 1.	Arm reach	200mm		160mm	
information	JZ AXIS	Rotation range	±	L64°	±143°	
	Z axis	Reach	210mm (Customizable)		160mm (Customizable)	
	R axis (Optional)	Rotation range	±1080°		±1080°	
Maxim	um average	linear velocity	1255.45mm/s(with 1.5kg payload)	1023.79mm/s(with 2kg payload)	1017mm/s(with 0.5kg payload)	
	Repeatat	oility	±0.0)3mm	±0.02mm	
	Rated pay	load	2	kg	0.5kg	
	Max pay	load	3kg		1kg	
	Number c	of axis	4		4	
Voltage		220V/110V 50-60HZ DC 24V		220V/110V 50-60HZ DC 24V		
Communication		Wifi/Ethernet		Wifi/Ethernet		
Extensibility		Built-in motion controller; with 22 I/O ports		Built-in motion controller; with 24 I/O ports		
	Digital input (isolated)		11		9+3	
1/O ports	Digital output (isolated)		11		9+3	
I/O ports Analog ing		out (4-20mA)	/		/	
Analog output (4-20mA)		/		/		
Height		578mm		490mm		
Weight		19kg		11kg		
Machina	Footprint		250mm*250mm*10mm		200mm*200mm*8mm	
base size	Machine fixing holes spacing		200mm*200mm (with 4 M8*20 screws)		160mm*160mm (with 4 M5*12screws)	
Collision detection			\checkmark	\checkmark		
Drag to teach		\checkmark		\checkmark		

Specifications

Specification		Model Number					
		Z-Arm : collaborativ	2442C ve version	Z-Arm 1832C collaborative version			
14. 4. 1		Arm reach	220mm		160mn	า	
J1 Axis	J1 AXIS	Rotation range	±90°		±90°		
	10.4.	Reach	200r	nm	160mn	า	
Basic information	J2 Axis	Rotation range	±164°		±143°		
	Z axis Reac		240mm (Customized)		180mm (Cust	omized)	
	R axis (Optional)	Rotation range	±1080°		±1080	0	
Maximum average linear velocity		1255.45mm/s (with 1.5kg payload)	1023.79mm/s(with 2kg payload)	1017mm/s(with 0.	ōkg payload)		
	Repeatabil	lity	±0.03	mm	±0.02mm		
	Rated paylo	bad	2k	g	0.5kg		
	Max paylo	ad	3k	g	1kg		
	Number of	axis	4		4		
	Voltage		220V/110V 50-60HZ [DC 24V /Power 500W	220V/110V 50-60HZ DC 24V /Power 320W		
	Communica	ition	Ether	net	Etherne	et	
Extensibility		Built-in motion controller; with 24 I/O ports; extensibility for adding one more arm		Built-in motion controller; with 24 I/O ports			
Custo	mizable Z-a	axis height	0.1-1 meter		0.1-1 me	ter	
Z	Z axis Drag to teach		ОК		OK		
			Standard :		NO		
Reserved electrical interface		Optional:		NO			
Suppor	Supportable HITBOT Grippers		Z-EFG-8/Z-EFG-20/Z-EFG-12 (EFG-100-Optional 485 module)		Z-EFG-8/Z-EFG-20		
			Standard: ±164°		/		
J2	J2 arm travel range		Optional: 15-345°		/		
Op	tional acce	ssories	Grippers/ 5-th axis /485 board / 3D printing kit		/		
Wo	rking Enviro	onment	Temperature: 0-55℃	Humidity: RH85	Temperature: 0-55℃	Humidity: RH85	
	Digital inp	ut (isolated)	9+3+arm ex	ktensibility	9+3		
I/O ports	Digital out	put (isolated)	9+3+extensibility f	9+3+extensibility for one more arm			
	Analog inp	out (4-20mA)	/		/		
	Analog ou	tput (4-20mA)	/		/		
Height		596mm		500mm			
Weight		19kg		11kg			
	Footprint		200mm*200mm*10mm		200mm*200mm*10mm		
Machine base size	Machine base size Machine fix spacing		160mm*160mm (with 4 M8*20 screws)		160mm*160mm (4 M5*12 screws)		
С	Collision detection				√		
Drag to teach		V		√			
Footprint compatibility		/	/		Compatible with Z-Arm 1632		
Flange compatibility		Compatible with Z-Arm 2140		Compatible with Z-Arm 1632			



O.

Standard SDK port





Based on graphics programming, HitbotStudio support basic functions including point-to-point control, signal output, robot grippers, time-delay command, assignment instruction, sub-process, reset and more. Users can drag the corresponding module to the program editing area and start programming for the robot arm. It is quite simple to learn and intuitive to use.

Optional Accessory Kits

Multiple robots

Z-Arm 2140/2442 Accessory Kits					
& 2140/2442-FS08 Horizontal gripper with cover	& 2140/2442-F520 Horizontal gripper with cover	Z-Arm 2140/2442 optional kit DB9 Connector with wires DB15 Connector with wires	& 2140/2442-FC08 Vertical gripper without cover	& 2140/2442-FC12 Vertical gripper without cover	& 2140/2442-FC20 Vertical gripper without cover
The 5th axis arm kit	& 2140/2442-FS08-L Horizontal gripper with cover	& 2140/2442-FS12-L Horizontal gripper with cover	& 2140/2442-FS20-L Horizontal gripper with cover		
	Z-Arm 1632/1832 Accessory Kits				
& 1632/1832-FC08 Vertical gripper without cover	& 1632/1832-FC20 Vertical grinper without cover	& 1632/1832-F508-L Horizontal gripper with cover	& 1632/1832-F512-L Horizontal gripper with cover	& 1632/1832-FS20-L Horizontal gripper with cover	Z-Arm 1632/1832 插头选配包 KF2EDGKM-3.5-7 PIN socket DB15 connector with wires
Z-Arm 2140/2442 and Z-Arm 1632/1832 Wi-Fi module kit				Wi-Fi module kit	

Labview program

Travel Range and Size Diagrams



Z-Arm 1632



/ Travel Range and Size Diagrams

Z-Arm 2442





*Compatible with Z-Arm 2140 Flange



Z-Arm 2442



Inverted installation supported

Direct-through line and air tube

Z-Arm 1832

Precise and Accurate Firm and Stable



Z-Arm 1522

Specifications

	Arm reach	100mm			
JI AXIS	Rotation range	±90°			
	Arm reach	120mm			
JZ AXIS	Rotation range	±150°			
Z axis	Reach	150mm			
R axis (Optional)	Rotation range	±180°			
	Linear velocity	500mm/s			
Repeatability	±0.1mm				
Rated payload	0.3kg				
Max payload	0.5kg				
Number of axis	3				
Power	220V/110V 50-60HZ DC 24V				
Communication	Ethernet				
Extensibility	Supported				
Digital input	≤14				
Digital output	≤22				
Analog input	≪6				
Analog output	0				
Height	400mm				
Weight	4.8kg				
Footprint	160*160*45mm				
Collision test	\checkmark				
Drag to teach	√				

I Travel range and size diagrams



Z-Arm 1522













Laser engraving

Painting

3D printing

Vacuum gripper

Conveyor

Slider





Gobang

3

Air gripper

Easy to use: HITBOT Z-Arm 1522 is quite suitable for teaching and learning by educators and students. Its easy-to-use PC APP and mobile APP both integrates Blockly, which makes robotics quite accessible for students.

Compact and lightweight: HITBOT Z-Arm 1522 is designed to be quite compact and lightweight, which allows it to be easily deployed to anywhere. As it only weighs less than 5KG, the device can be carried or moved easily.

Versatile in applications: HITBOT Z-Arm 1522 can be used for writing, painting, 3D printing, laser engraving, visual sorting and even more. Therefore, students can explore their creativity in various scenarios.



Z-Arm 1632 Offline Version VS Standard Version

Advantages

Collaborative Easydeployment Space Saving Cost Effective Easy to use



±0.02mm Repeatability

320mm Repeatability



Support remote programming. Users can download the program to the robot arm and then control it without computer.

Z-Arm 6140

Outstanding!In Height And Performance.

Payload 3KG Reach 320mm Z-axis 610mm Repeatability ±0.02mm



1kg

160mm



Z-Arm 2140 Interfaces Diagram

Interfaces at machine base

A diagram of ports on the machine base





B I/O ports diagram



Figure 2

Z-Arm 1632 Interfaces Diagram

Interfaces at machine base

A diagram of ports on the machine base



Figure 3

A diagram of ports under the small arm Z-EFG-20/Z-EFG-8 ports diagram



Figure 1 Interface Description

- 1 J1: Power switch interface used to turn on/off the robot arm
- 2 J2: Power supply inlet for 24V DC voltage input
- (3) J3: IO output ports for 9 groups of internal optocoupler clutches
- (4) J4: IO input ports for 9 groups of internal optocoupler clutches
- (5) J5: Wi-Fi module port for Wi-Fi module developed by HITBOT

Figure 2 IO Ports Description

- ①J6: IO input port
- ②J7: Connector port for robot accessories such as robot gripper, 3D printing kit, the 5th axis kit

Figure 3 Interface Description

- 1J1: Power switch interface used to turn on/off the robot arm
- ②J2: Power supply inlet for 24V DC voltage input
- ③J3: IO output ports for 9 groups of internal optocoupler clutches
- $\textcircled{\sc 0}$ J4: IO input ports for 9 groups of internal optocoupler clutches
- ⑤J5: Wi-Fi module port for Wi-Fi module developed by HITBOT ⑥J6: Ethernet port

O J7: IO extension port for 3 groups of internal optocoupler clutches

Figure 4 Ports Description

- 1
- ②J2: Internal power input 24V
- ③J3: Internal pulse output
- ④ J4: Internal pulse input
- ⑤ J5: Internal power supply GND

Figure 4



Interfaces at machine base

A diagram of ports on the machine base



Figure 5





Z-Arm 1832 Interfaces Diagram

Interfaces at machine base

A diagram of ports on the machine base



Figure 7

A diaram of ports under the small arm Z-EFG-20/Z-EFG-8 ports diagram



Figure 5 IO Ports Description

- 1J1: Power switch interface used to turn on/off the robot arm
- ②J2: Power supply inlet for 24V DC voltage input
- 3J3: IO output ports for 9 groups of internal optocoupler clutches
- (4) J4: IO input ports for 9 groups of internal optocoupler clutches
- ⑤K5: Function button for IP address configuration. Once press
- the button, the robot arm will start IP address configuration ⑥J6: Ethernet port for PC host communication
- ⑦J7: IO input extension port for 3 groups of internal optocoupler clutches (3 input ports and 3 output ports)
- ⑧J8A: 4-pin straight cable aviation plug to J8B
 ⑨J9A: 4-pin straight cable aviation plug to J9B

Figure 6 IO Ports Description

- ①J8B: 4-pin straight cable aviation plug to J8A
- ②J9B: 4-pin straight cable aviation plug to J9A
- ③J10: IO input/output port
- ④J11 robot gripper connector port for users to control the robot gripper

Figure 7 Interface Description

- ①J1: Power switch interface used to turn on/off the robot arm
- ②J2: Power supply inlet for 24V DC voltage input
- ③J3: IO output ports for 9 groups of internal optocoupler clutches
- (4) J4: IO input ports for 9 groups of internal optocoupler clutches
- ⑤K5: Function button for IP address configuration. Once press the button, the robot arm will start IP address configuration
- ©J6: Ethernet port for PC host communication
- ⑦J7: IO input extension port for 3 groups of internal optocoupler clutches (3 input ports and 3 output ports)

Figure 8 Ports Description

- ① J1: Internal output for direction control
- ⁽²⁾ J2: Internal power input 24V
- ③ J3: Internal pulse output
- ④ J4: Internal pulse input
- ⑤ J5: Internal power supply GND



Z-EFG Series Electric Grippers

To provide flexible gripping solutions

Born to create a craze for servo electric grippers



Z-EFG-R





With innovation in built-in servo motor system, HITBOT Z-EFG series electric robot grippers can perfectly replace the gripping device composed of air compressor + filter + solenoid valve + throttle valve + pneumatic gripper.

Z-EFG series is capable of flexible clamping, which can be used to pick up fragile and deformable items such as eggs and test tubes.

Applications





Visual sorting and

material handling

Pick up fragile and deformable items such as eggs and test tubes

HITBOT Z-EFG series robot grippers are highly customizable, which enables users to use or even design different end clamping devices

improving the automation flexibility. Moreover, Z-EFG series robot grippers can compatible with robot arms of Universal Robots, AUBO robot arms, and Elitbot robot

according to specific requirements, greatly





Used in narrow-space scenes

Used in laboratories and hospitals





How to Use

arms.



Connect the DC 24V power cable and the ground wire. The corresponding high or low level logic is to control the opening and closing of the robot gripper. The analog signal is to control the clamping force.



Connect the DC 24V power cable and the ground wire. The corresponding high or low level logic is to control the opening and closing of the robot gripper. The pulse signal is to control the opening and closing stroke.



24V power supply EIA-485 control, communication for controlling the clamping force, stroke, and recording the position data.



Connect the DC 24V power cable and the ground wire. The corresponding high or low level logic is to control the opening and closing of the robot gripper.



Connect the DC 24V power cable and the ground wire. Send low level logic to control the opening of the robot gripper.

Z-EFG Series Electric Grippers

Model Number Definition

Z-EFG-8PK-U-FXXX-01

EFG: 2-finger electric gripper ECG: 2-finger slider gripper EMG: Electromagnetic gripper

4: 4mm stroke

- 8: 8mm stroke
- 20: 20mm stroke
- 100: 90mm stroke
- F: Upgraded 6-axis robot gripper with 8mm stroke
- R: Upgraded 6-axis robot gripper with 8mm stroke

.

L: Upgraded 6-axis robot gripper with 8mm stroke

Communication: NK: Standard NPN - IO control NM: Standard NPN - Pulse control PK: Standard PNP - IO control PM: Standard PNP - Pulse control NMA: NPN pulse control PMA: PNP pulse control TXA: 485 communication F: Non-standard version XXX: Client version 01: Version number

Cable connection:

HCA: 5-pin aviation socket - Positive (M12) HCB: 4-pin aviation socket - Positive (M8)

HW: Rubber tail

HQ: Cable protector ring

- U: For Universal Robots robot arms (Connector + Lumber cable)
- A: For AUBO robot arms (Connector + Lumber cable)

E: For Elite robot arms

- Z1: For HITBOT Z-Arm 1632 robot arm (Unshielded wires)
- Z2: For HITBOT Z-Arm 2140 robot arm (Unshielded wires)

*Note: The robot grippers default come with shielded wires. Only under special circumstances such as HITBOT robot arm mentioned above, the robot arm will come with unshielded wires.

Specifications

Intems	Z-EFG-8	Z-EFG-F	Z-EFG-12	Z-EFG-L	Z-EFG-20	Z-EFG-R	Z-EFG-100
Stroke (mm)	8	Bmm	12mm		20mm		90mm
Force (N)	8	-20N		30N	80N		35-60N
Payload (g)	\$	300g	≤500g		≪800g		500g
Repeatability		/		/	±0.02mm		±0.02mm
Motion			2 fingers r	nove in parallel			Link movement
Adjustable stroke	Non-s	upported	Non-supported		Supported		Supported
Clamping force		Yes		No	Yes		Yes
Weight (kg)	0.2	235kg	0	.342kg	0.458kg		0.925kg
Dimension L*W*H (mm)	30*24*94mm	/	48*32*105.6mm	/	44*30*124.7mm	/	204*138.5*45mm (open) 222*79*45 (close)
Travel time (s)	\$	€0.3s	:	≤0.2s	≤0.45s		≤ 1s
Motion controller				Built-in			
Power (W)	3	3.6W	5W		5W		30W
Motor type	BLD	C motor	BLDC motor		Servo motor		/
Voltage (V)	24V						
Current (A)	1A				1.5A		
NPN type connection method	1、NPN output 2、3.5V/5V push-pull output NPN pull-up output 3.3V/5V/24V		1、NPN output 2、24V push-pull output 3、NPN pull-up output 24V		1、NPN output 2、3.5V/5V push-pull output 3、NPN pull-up output 3.3V/5V/24V		/
PNP type connection method	1、24V PNP output od 2、24V push-pull output		1、24V PNP output 2、24V push-pull output		1、24V PNP output 2、24V push-pull output		/
UR driver	With motion controller built-in Support to control via UR Urcap					Connect to UR control box	
Flange	/	UR robot flange	/	UR robot flange	/	UR robot flange	/

Z-EMG-4





Z-EMG-4 is an electromagnetic gripper newly released in 2020. Thought in a compact size, Z-EMG-04 is upgraded with a much faster speed, which can be called an "Champion of Speed".

Z-EMG-4 Specifications Power-on (gripper open)

Model	Z-EMG-04
One-sided force	1~3N
Stroke	4mm
Opening/Closing time	≪0.05s
Recommended frequency	≤150 (cpm)
Clamping structure	Compressed spring + Cam
Repeatability	±0.1mm
Backlash	Below 0.05mm
Environment	0∼40°C,85% below 85%RH
Motion control	Digital I/0
Voltage	DC 24V±10%
Current	ЗА
Cooling method	Natural air cooling
Weight	230g

Installation diagram





★ If without auxiliary cooling, recommended frequency≤150(cpm).
 If with auxiliary cooling, frequency can reach up to 300(cpm).

★ cpm: count per minute











Z-EFG-12





Z-EFG-20





Z-EFG-100







- 1: 4-pin aviation socket
 2: Fixture mounting position
- ③: Side mounting position
- (4): Bottom mounting position
- (5): Fixture size (fully open)
- 6: Fixture size (fully close)







④: Fixture mounting position





Highly Integrated Design

Space-saving: HITBOT Z-Mod electric actuators are equipped with built-in motor and motion controller. Compared to traditional electric cylinder, HITBOT Z-Mod electric actuators are quite compact as they doesn't require couplings and sensors any longer.

Intuitive Software

Simple software enables operators with no programming experience to complete the programming process by simply dragging and dropping the arm to specific points or setting specifications in the HitbotStudio APP, which only takes 20mins in total. Productivity starts right from the beginning!

Innovative

HITBOT Z-Mod electric actuators are equipped with built-in servo system, which no longer requires external sensors.

Smart and Versatile

- Only through adjust the component and firmware, HITBOT Z-Mod electric actuator is capable of keeping higher accuracy to ensure reliability.
- Support torque mode and traveling mode at them same time
- Under the push mode, the device can detect the height of the pushed object All above functions make the HITBOT Z-Mod smart and versatile.

Cost-effective

Offering a competitive price, Hitbot provides electric actuators at amazingly affordable prices which greatly lowers the entry level of industrial automation.

Model Number Definition



FAQs

Z-EFG Series Electric Grippers

1. Rotation requires concentricity, so the two sides are close. Will the two sides stop at the middle position every time?

Yes, there is a symmetry error of less than 0.1mm, and the repeatability is ± 0.02 mm.

2. Does the robot gripper include the front end fixture?

No. Users need to design the fixture by themselves according to the actual application demands. In addition, HITBOT can also provide a few fixture for reference. Users can contact Sales Directors for detail information.

3. Where is the drive controller and do I need to pay extra?

The drive controller is default built-in, so users don't need to pay extra.

4. Can the HITBOT Z-EFG grippers do single-finger motion?

No. Grippers for single-finger motion is under development.

5. What is the clamping force of Z-EFG-8 and Z-EFG-20, and how to adjust the clamping force?

The clamping force of the Z-EFG-8 is 8-20N. The Z-EFG-8 can be adjusted manually by the positioner on the side of the electric gripper or by the software in the analog mode through wiring.

The clamping force of Z-EFG-20 is 80N. The clamping force can be adjusted by adding a controllable deformation material in front of the fixture, which can be obtained according to the corresponding curve of deformation and force.

6. How to adjust the clamping stroke of Z-EFG-8 and Z-EFG-20?

Z-EFG-8 does not support adjusting stroke. 200 pulses of Z-EFG-20 correspond to 20mm stroke, and 1 pulse should be 0.1mm stroke.

7. The Z-EFG-20 has a stroke of 20mm corresponding to 200 pulses. What if I send 300 pulses?

The extra pulse will not be executed and exert no effect.

8.HITBOT Z-EFG-20 has a stroke of 20mm corresponding to 200 pulses. If I send 200 pulses, but the gripper has clamped something when reaching 100 pulses, will the it stop sending pulses? Will it cause any effects?

It will stop sending pulses. When gripper fingers open, the pulse will continue sending the rest of the 100 pulses.

9. How can I know the electric gripper has clamped objects?

You can only tell whether the gripper has stopped if you use Z-EFG-8. For Z-EFG-20, the number of feedback pulses reflects the current position of the gripper, so users can tell whether the object is clamped by counting the feedback pulses.

10. Are HITBOT Z-EFG series robot grippers waterproof?

No, they are not waterproof. Please contact our Sales Directors for special demands.

11. Is it possible to use Z-EFG-8 or Z-EFG-20 to grab objects longer than 20mm?

Yes, both 8mm and 20mm refer to the effective stroke, not the size of the object being clamped. If the maximum to minimum size difference of the object being clamped is within 8mm, you can use Z-EFG-8 to grab the object. The maximum to minimum size difference is within 20mm, you can use Z-EFG-20 to grab the object.

12. If the robot gripper works for long time, will the motor go overheated?

Z-EFG-8 can keep working in a temperature environment of about 30° C, and the surface temperature of the robot gripper will not exceed 50° C.

13. When the Z-EFG gripper grips an object, can it detect the gripping result?

Z-EFG-20 support detecting whether the object is gripped via the position setting value and feedback value. Z-EFG-8 does not currently support it.

Z-Arm Series Robot Arm

1.Is there a trachea inside the robotic arm?

HITBOT Z-Arm 2442 can have trachea inside.

2.Can the HITBOT Z-Arm be installed upside down or horizontally?

HITBOT Z-Arm can be installed upside down, but can't be installed horizontally.

3. Can the HITBOT robot arm be controlled by PLC?

Since the protocol is not open-source, the PLC does not support direct communication with HITBOT robot arms. It can indirectly communicate with the arm's standard host computer HitBotStudio or secondary development software to control the robotic arm. HITBOT Z-Arm robots are equipped with a certain number of IO ports for signal interaction.

4. Can the software be used on Android system?

It is not currently supported. The standard version software HitbotStudio can only run on Windows systems (7, 10), but there is a secondary development kit (SDK) installed in the system, and applications can be developed to control the robot according to specific requirements.

5. What versions of Windows system can HitbotStudio and SDK development kit run on?

HitbotStudio and SDK development kit can run on Win7 and Win10 system, but Winxp and Win8 have not been tested yet.

6. How many robots can be controlled at the same time by using the SDK secondary development program?

Theoretically speaking, up to 254 robots can be controlled inder one host IP. It actually depends on the computer configuration and machine performance.

7. Can HitbotStudio software support controlling multiple HITBOT robots at the same time?

Yes. You just need to create multiple lines since each line can independently control a HITBOT robot.

8. What is the role of Serve.Exe in the SDK development kit?

Server.exe is a server program, which is responsible for transferring information between the robot arm and the user program.

9. Can HITBOT robot be compatible with visual system?

Presently, HITBOT robot cannot directly be compatible with the any visual system. Users can use HitbotStudio or secondary development kit to receive visual data to control the robot arm. In addition, the HitbotStudio has a python programming module, which supports directly developing customized program modules.





ABOUT DIATOM A/S

Diatom A/S is an engineering consultancy and trading company with over 50 years of experience. The company is built on three cornerstones: skill, innovation and quality, and we focus on creating results and value for our customers.

We work only with the market's best manufacturers and we work with several manufacturers in each product area to ensure that we can deliver the best solutions at any time.

We supply solutions and service to customers across Europe.

Diatom A/S is owned by Swedish investment group, Indutrade, which includes over 200 subsidiaries in more than 30 countries. The companies in the Indutrade Group develop and sell components, systems and services with a high-tech content.

Diatom A/S

Avedøreholmen 84 DK-2650 Hvidovre Tel. +45 3677 3600 info@diatom.dk

POLYMER TECHNOLOGY

An extensive portfolie of industrial and specialty chemicals for bonding, sealing, moulding, coating, encapsulating, thermal management etc.

MECHANICAL ASSEMBLY

Mechanical fastening and sealing products and solutions.

LUBRICATION TECHNOLOGY

A comprehensive range of lubricants, oils, coatings, greases etc.

DISPENSING TECHNOLOGY

Solutions related to robotics, pumps, dispensing and UV-technologies.

FILTRATION TECHNOLOGY

Solutions for filtering, separating and cleansing fluids and gases.

FLOW TECHNOLOGY

Process instrumentation fixtures, e.g. regulators, fittings, valves and connectors.



www.diatom.dk