

# Hulk Robot

change the world, create the future



## Suzhou Hulk Robot Co.,Ltd

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## Certifications



# HULK ROBOT

Suzhou Hulk Robot Co., Ltd founded in 2016, which is a high-tech enterprise focusing on robotic body R&D and intelligent applications. The company was rated as a national high-tech enterprise, a private scientific and technological enterprise in Jiangsu Province, and was awarded the Jiangsu Natural Science Foundation Project approval and the key R & D Program approval in Taicang. It has signed relevant industry-university-research cooperation agreements with universities such as Shanghai Jiao tong University and China University of Mining and Technology. The company has applied for 25 invention patents and 13 software copyrights. The products have passed the ISO9001 certification, CE certification, intellectual property certification and exported to Germany, Japan, the United States, Brazil and other countries. The smart cloud robot arm is designed and developed by our company, which is 1kg payload and no control cabinet. It integrates with artificial intelligence and cloud services to fill the gap in the domestic market.





# ROBOTIC

Our major products are smart manipulators, which are small in size and wireless cloud-operable. The load of robot is 1KG, 4 dof, arm span of 540mm, a repeat positioning accuracy of less than  $\pm 0.05\text{mm}$ , no control cabinet and no reducer, which can realize drag teaching and network remote control. Provide comprehensive and professional personalized solutions for automotive parts, 3C electronics, unmanned retail, mechanical processing, vocational education and other industries and help enterprises, factories, shopping malls, schools and etc. to achieve effective automation upgrades and empowerment and efficiency.

The HK5404 robotic arm is based on the design concept of "suitable for use", that is practicality and economy. The product is defined as an economical and flexible clouded mechanical arm that is affordable for the enterprise, with the purpose of liberating the repetitive mechanical labor of human hands and the economic goal of saving the labor cost of the enterprise.



## Parameters

Working radius	540mm	
Number of axis	3 Axis/4 Axis	
Installation	Floor	
N.W	13KG	
Position repeatability	$\pm 0.05\text{mm}$	
Max payload	1KG	
Power	Input:Single phase 110V-240V 50Hz	
	Output:DC 24V	
External communication	WIFI/Ethernet/Serial port	
Safety standard	ISO 9001-2015	
Control software	HULK STUDIO	
I/O Interface	Input 5/Output 5, can expand Input 16/Output 16	
Drive System	Step motor	
Power consumption	0.4KVA	
Working condition	$-10^{\circ}\text{C}\sim 60^{\circ}\text{C}$	
Working envelope	J1	$\pm 160^{\circ}$
	J2	$-42^{\circ}\sim 85^{\circ}$
	J3	$-20^{\circ}\sim 100^{\circ}$
	J4	$\pm 165^{\circ}$
Max speed	J1	360°/s
	J2	360°/s
	J3	360°/s
	J4	500°/s



## HK540 Feature

### Cost-effective

Professional design based on 1Kg load characteristics to meet the needs of industrial scenes while reducing costs.

### Easy installation

No control cabinet, avoid complex wiring, convenient for on-site installation.

### Easy to operate

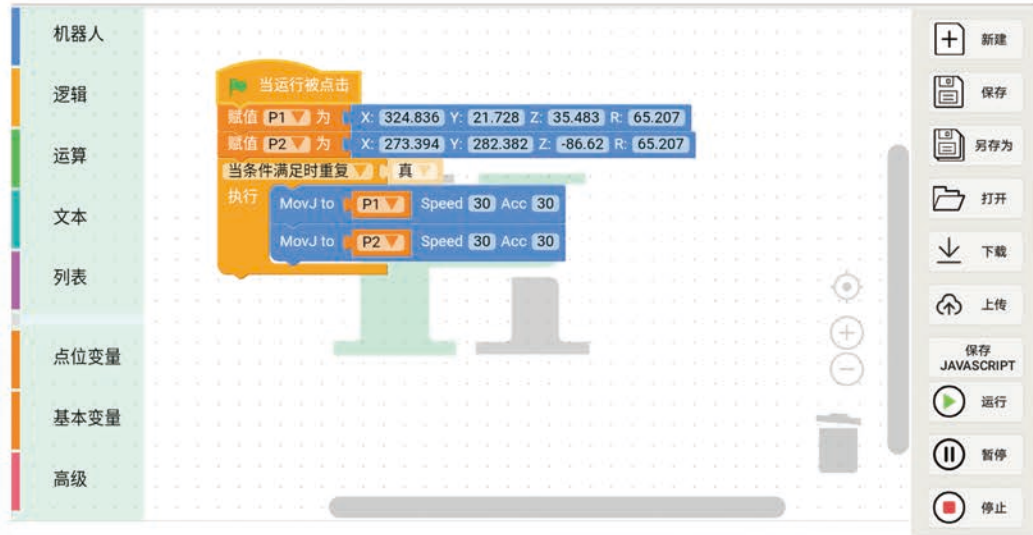
Tablet or mobile phone wireless control, simple logic, can learn programming in 15 minutes.





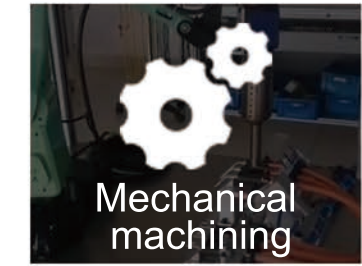
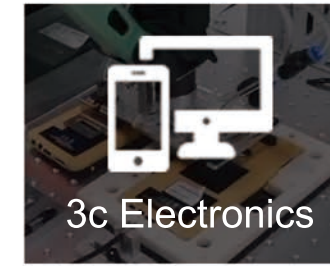
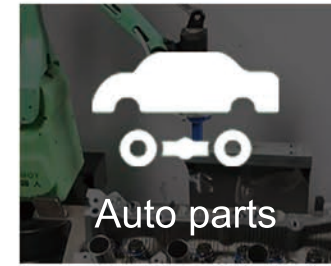
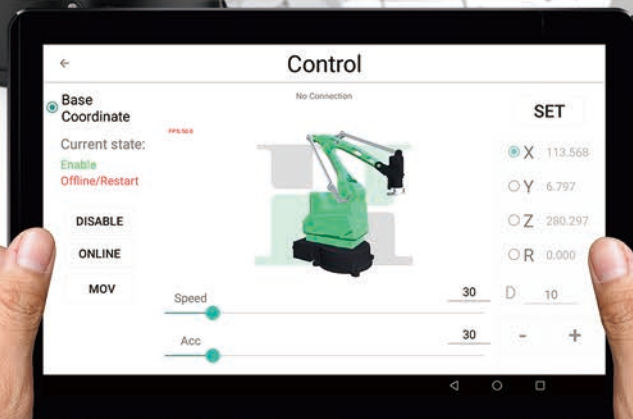
# Programming interface

Using HULK STUDIO, you can easily program and control the robot on the platform.



## Wireless Internet

Adopt mobile terminal APP control mode, get rid of the heavy teaching pendant and perimeter control line, making the control with great facility.

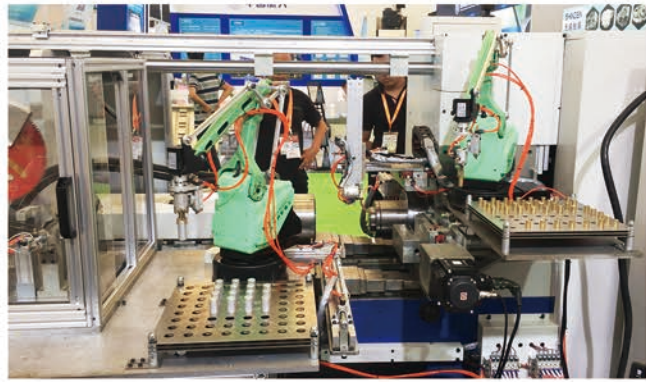


## Industry application

Hulk robot products can be widely used in industry, retail and other fields, ranging from product assembly and packaging, to screw tightening and gumming.



# Industrial case



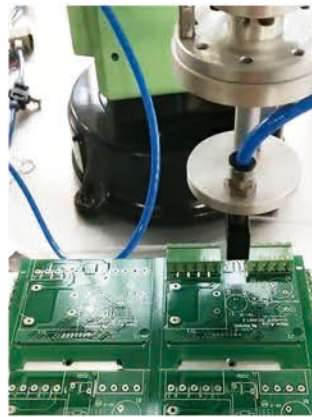
The tray



The tray



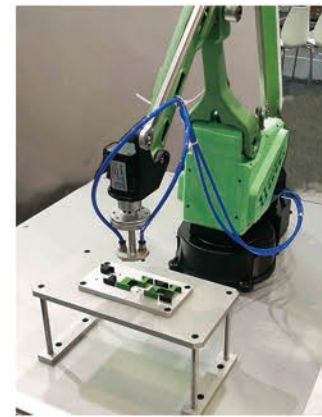
Phone packing



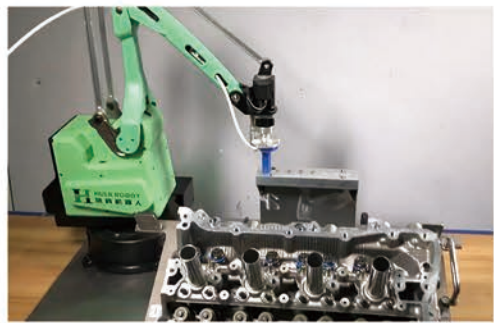
Circuit board plug-in



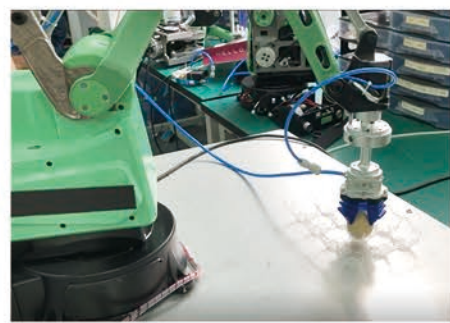
Heat gun



LOGO assembly



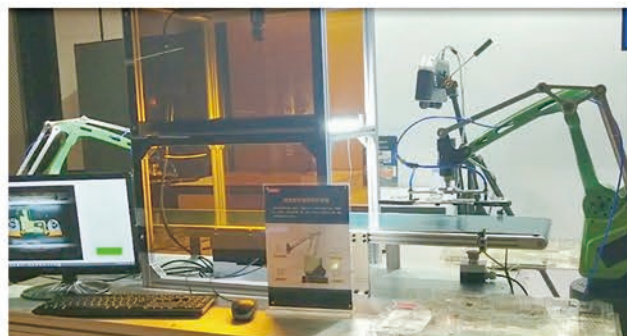
Engine assembly



Food packaging



Vision application



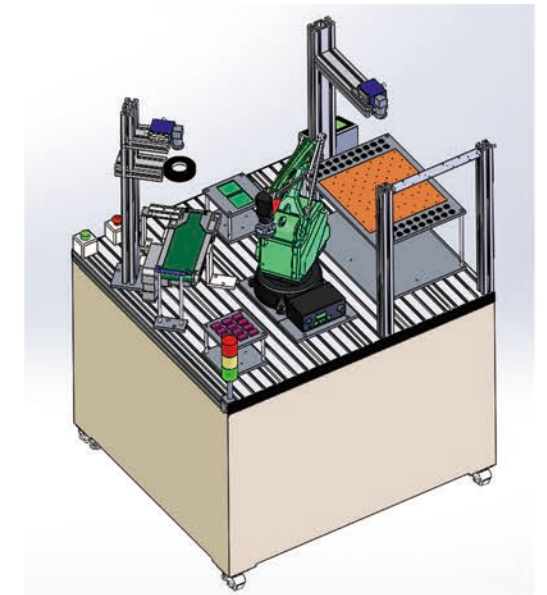
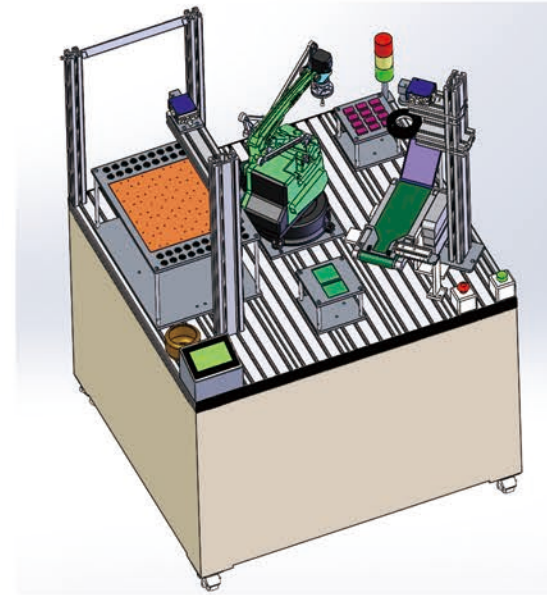
Visual defect detection



Visual position detection

# Vocational Education

This robot is good for vocational education and college education. With many open source resource, students will learn how to program and control a robot.



(Training workstation)



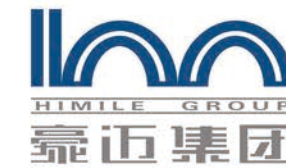
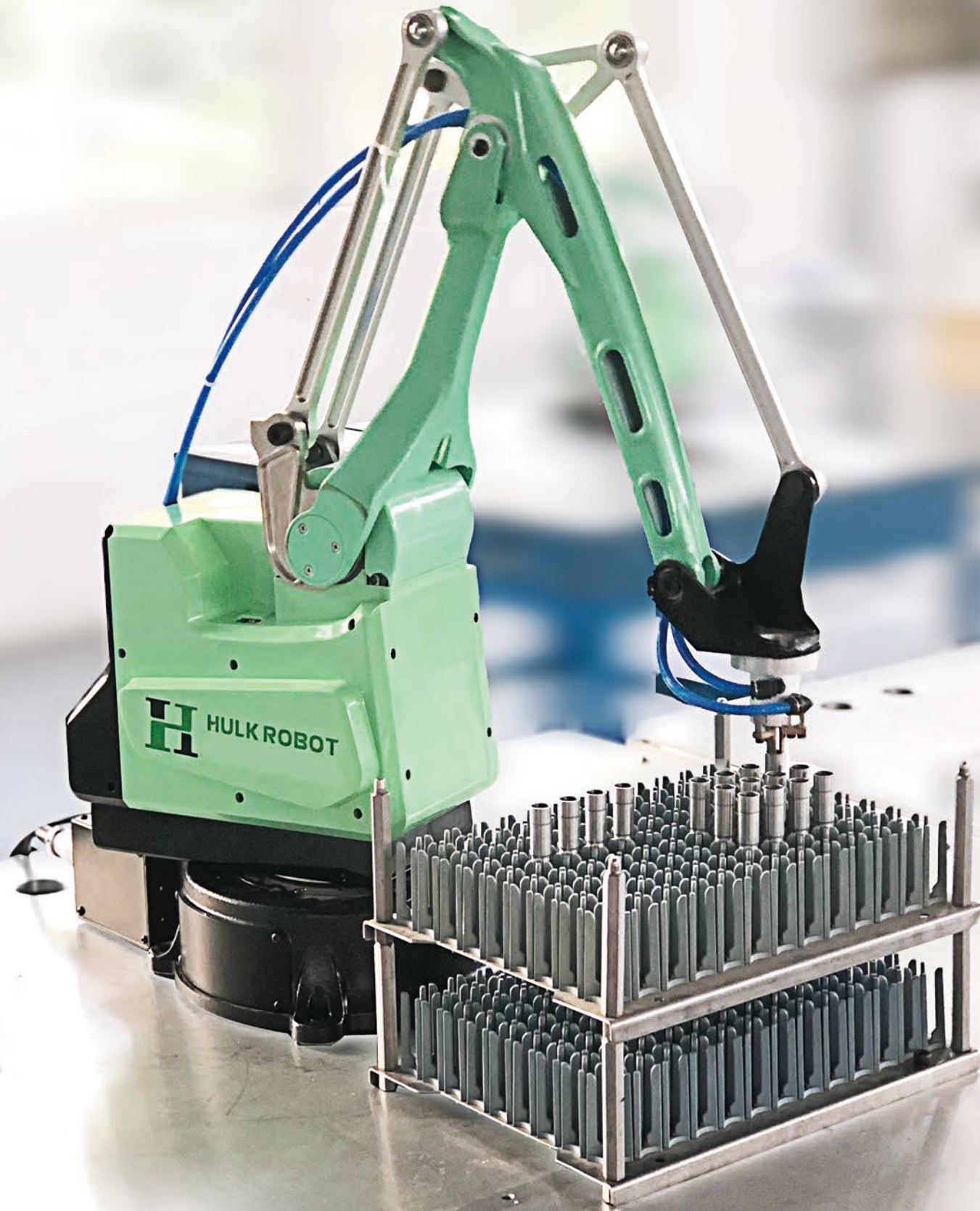
(Vocational secondary application)



# Exhibitions

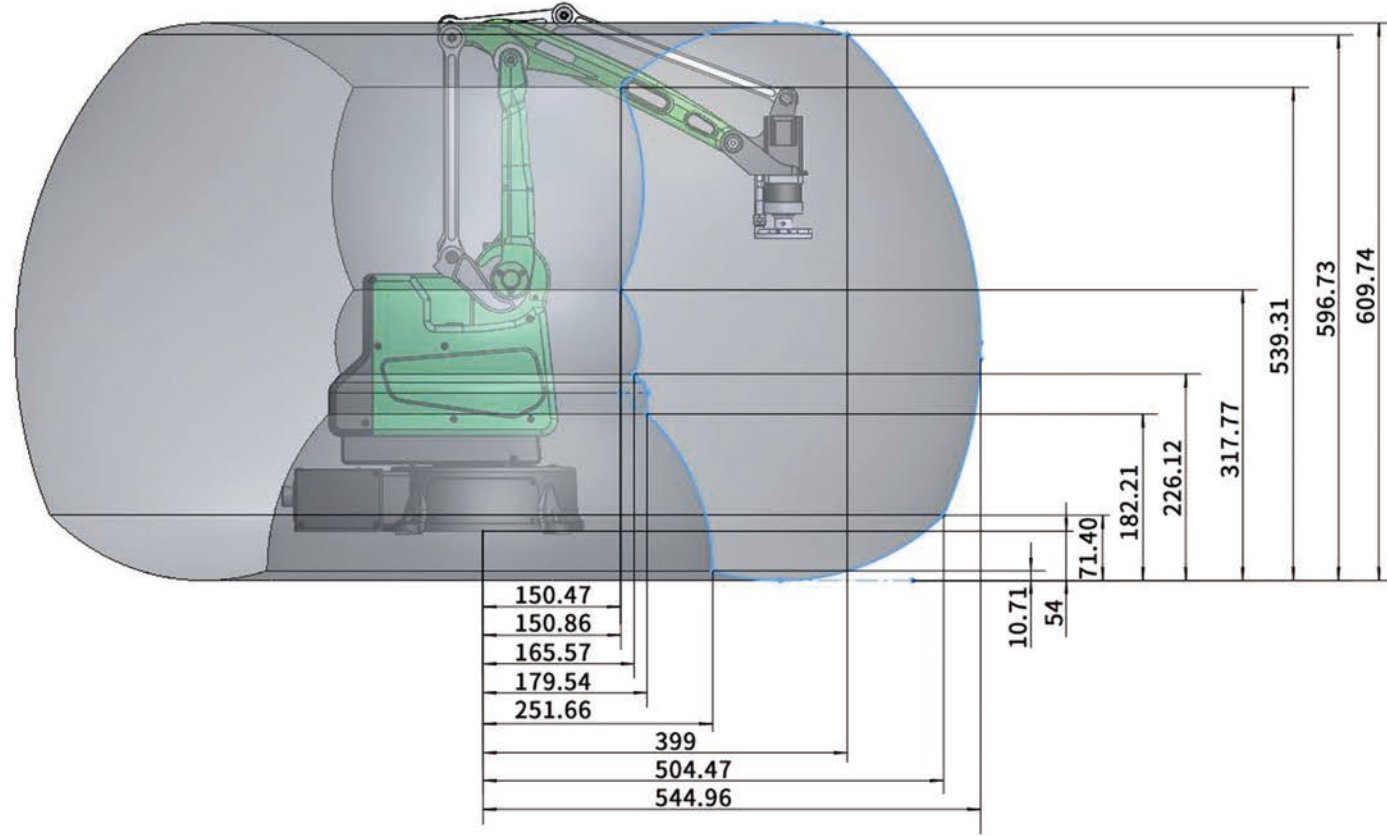


# Cooperative partners

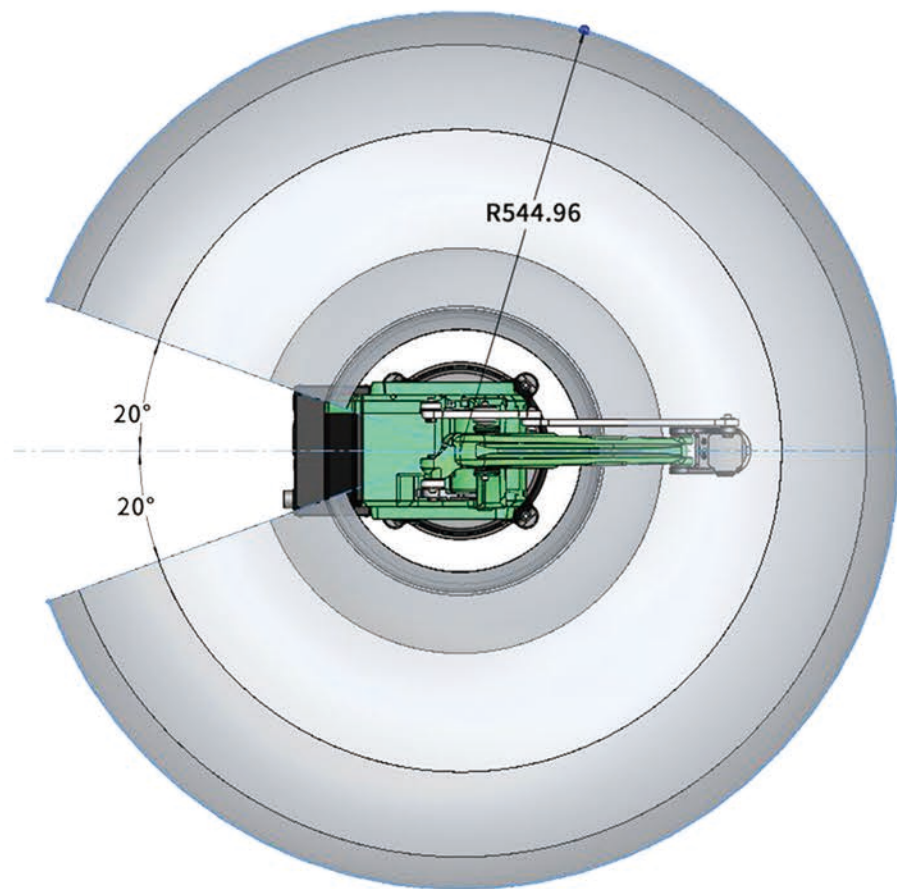




## Working Space

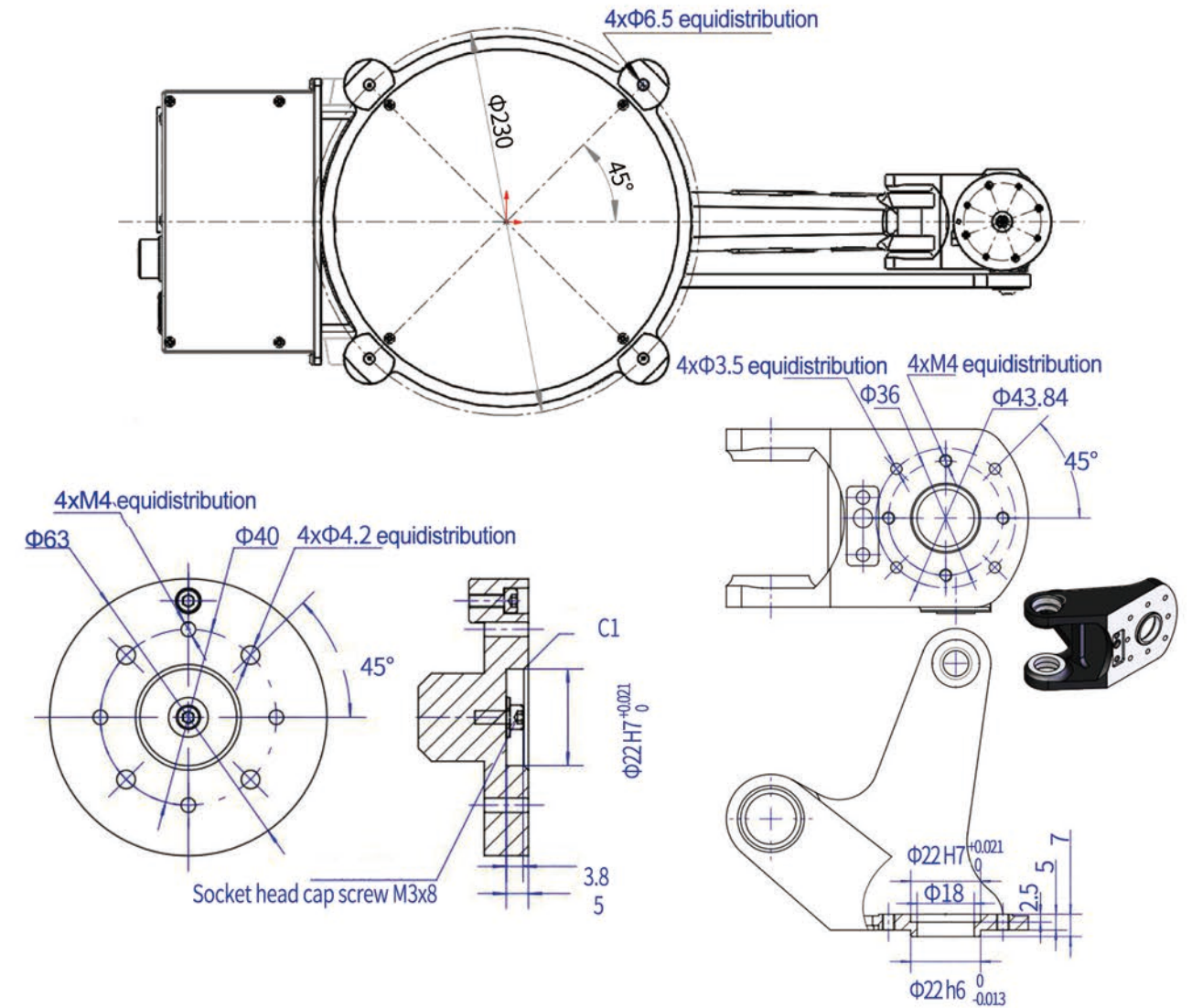


Side View



Top View

## Base Mounting Dimensions



EndModule Installation Interface  
(No 4th Axis Assembly)

EndModule Installation Interface  
(With 4th Axis)

## Interface diagram of the control box

