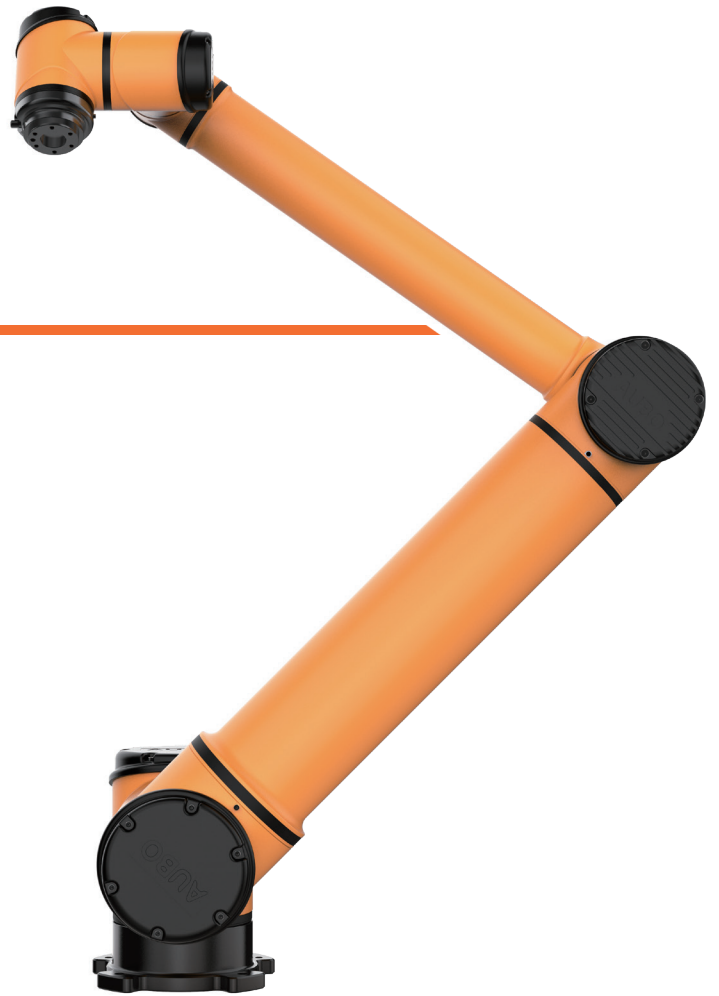


i SERIES
COLLABORATIVE
ROBOT

AUBO-i20



20KG
Payload



63KG
Weight



±0.1mm
Repeatability



1650mm
Reach

- ✓ Maximum payload 20KG, maximum reach 1650mm, it is designed for large working range and heavy handling.
- ✓ With a self-weight of only 63KG, it has a small footprint and can be flexibly deployed.
- ✓ It can be used in a variety of scenarios such as palletizing, material handling, packing, grinding, assembly and inspection.

APPLICABLE FIELDS

Machine Tending, Automotive, Home Appliances, Daily Chemical, Food and Beverages, Medical Industry etc.



AUBO is committed to providing safe and reliable collaborative robots for customers. The products have passed the certification of

- EN ISO 13849-1:2015(PL=d, CAT 3)
- CE
- UL
- KCs
- CR
- SEMI S2
- Cleanliness Class5



FEATURES

- 01 More Professional**
AUBO-i20 large payload and reach make it have larger working space and stronger working capacity.
- 02 More Efficient**
With a self-weight of only 63KG, it has a small footprint and can be installed at any angle to meet the requirements of highly flexibility, easy deployment and handling.
- 03 Simple Programming**
The visual interface is simple and easy to learn. It is available to master the programming method in half an hour.
- 04 System Opening**
The open system platform supports multiple communication methods: SDK and API, and can establish communication with end-of-arm tooling, vision and mobile robots.



FLEXIBLE DEPLOYMENT



SIMPLE PROGRAMMING



SAFETY AND STABILITY



MODULARIZATION



HIGH PRECISION



FLEXIBLE PRODUCTION



WIDE APPLICATION



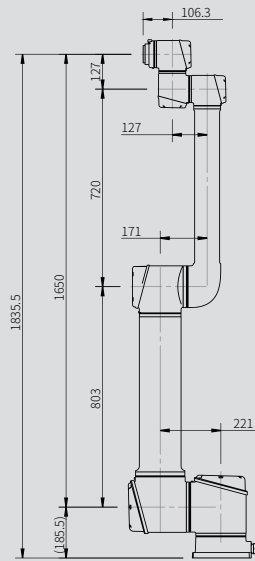
SYSTEM OPENING



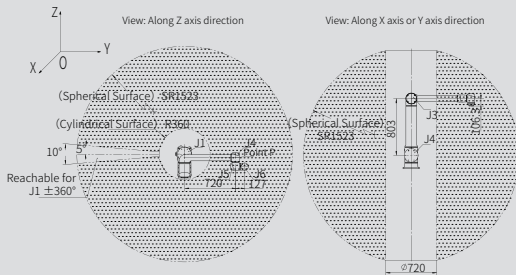
HIGH RETURN ON INVESTMENT



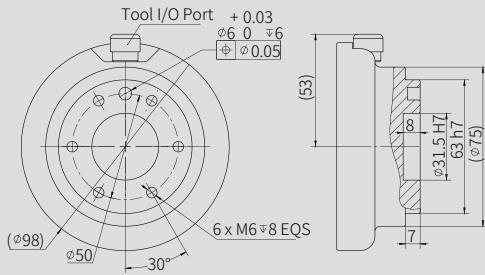
OTHERS



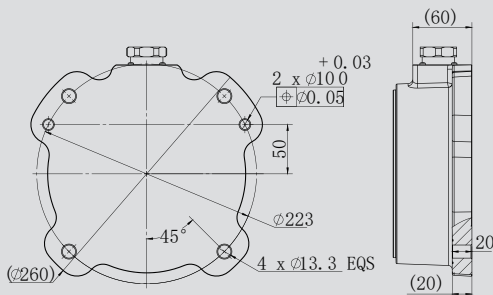
AUBO-i20 Dimensions Drawing



AUBO-i20 Moving Range of Point P



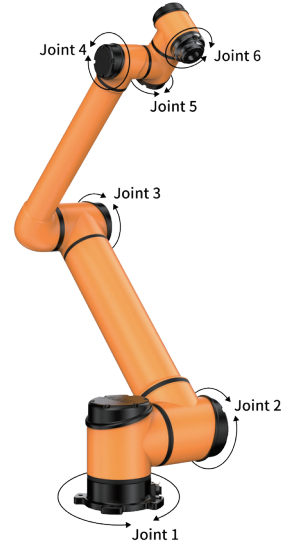
AUBO-i20 Tool End Flange



AUBO-i20 Top View of Base

ROBOT

Degrees of Freedom	6
Reach (mm)	1650
Payload (kg)	20
Weight (kg)	63
Mounting Surface Diameter (mm)	Ø260
Repeatability (mm)	±0.1
Linear Velocity (m/s)	≤2.6
Average Power (W)	1000
Peak Power (W)	3000
Ambient Temperature (°)	0-50
Ambient Humidity	90% RH (Non-condensing)
Installation Orientation	Any ceiling, Floor, Wall
IP Classification	IP54




AXIS MOVEMENT

	Working Range (°)	Maximum Speed (°/s)
joint 1	±360	93
joint 2	±360	93
joint 3	±360	178
joint 4	±360	178
joint 5	±360	178
joint 6	±360	178

* Limited by the application scenario, part of the joints may not achieve ±360°.

CONTROL BOX

Model	AUBO-CB-M	
Dimensions	410mm*390mm*285mm	
Weight	16kg	
Cabling Connecting the Robot	5m (customizable, up to 8m)	
Cabling Connecting the Teach Pendant	4m	
Cabling Connecting the Power	5m	
Communication	100-240VAC, 50-60Hz	
Interface	Ethernet, ModBus-RTU/TCP, Profinet (Optional)	
Power Supply	SDK (Support C/C++/C#/Lua/Python), Support ROS, API	
IP Classification	IP43	

CONTROL BOX I/O/TOOL I/O

		Control Box	Tool End
I/O Port	Digital In	16 (general) / 16 (safe)	4 (optional)
	Digital Out	16 (general) / 16 (safe)	4 (optional)
	Analog In	4	2
	Analog Out	4	-
I/O Power	Output Voltage	24V	0V/12V/24V
	Output Current	3A Max	0.8A

TEACH PENDANT

Model	AUBO-TP
Dimensions	355mm*235mm*54mm
Weight	1.57kg
IP Classification	IP43
Colour	Orange + Black

