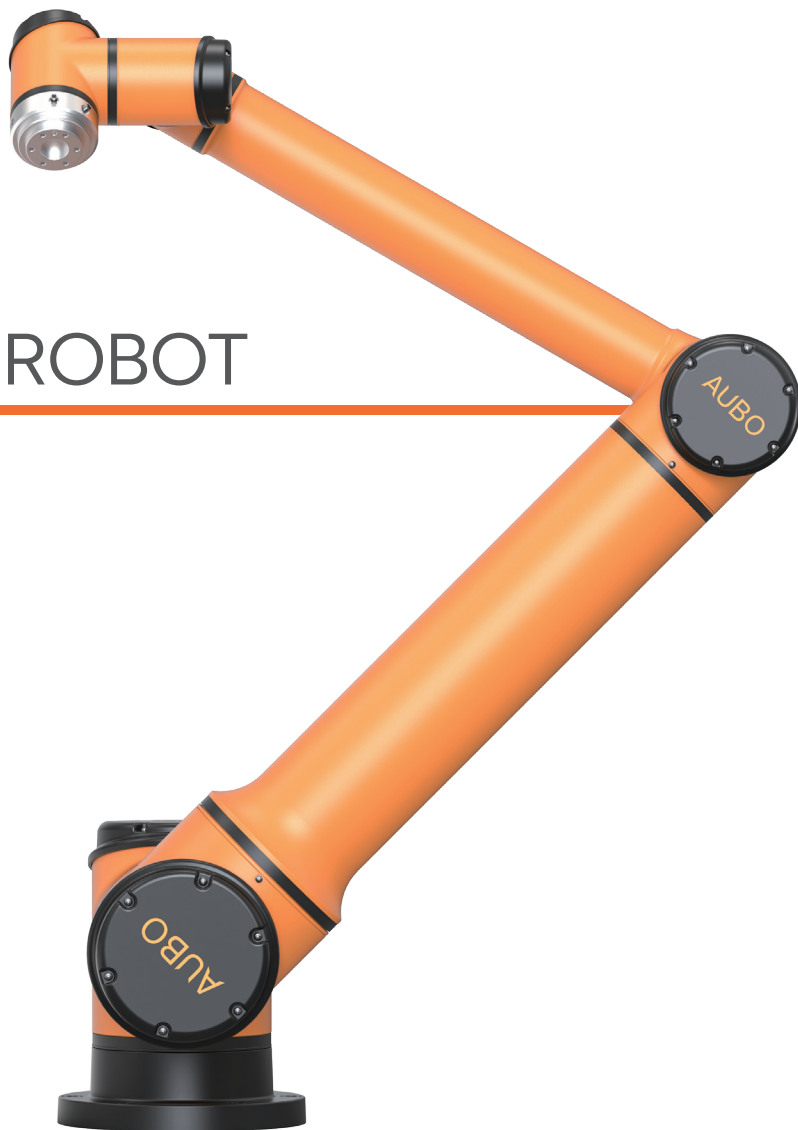


AUBO-iS25

iS SERIES

COLLABORATIVE ROBOT



25KG

Payload



64KG

Weight



±0.05mm

Repeatability



1700mm

Working Radius

- ✓ AUBO-iS25 is a high-performance collaborative robot with significantly faster speeds and higher IP class, which allows it to work in complex and demanding environments.
- ✓ AUBO-iS25 has a payload of 25 kg and offers a reach of 1910.5mm and a maximum working radius of 1700mm.
- ✓ Compact, lightweight, designed for high performance and rapid response.

Applications

The iS-series is suitable for a wide range of industrial scenarios and is particularly suited for advanced manufacturing, painting, and specialized applications in harsh environments.



Features and Benefits

- 01 Modular Design, Easy to Replace Joints** AUBO iS-series cobots feature an integrated modular design with six standard modules of different specifications in total, allowing for quick replacement and more convenient maintenance and repair.
- 02 Enhanced Performance, Precision and Efficiency** Compared to the previous generation, there is an overall improvement in the repeatability, absolute repeatability, and trajectory repeatability while operating at a much higher speed.
- 03 New Design, Higher Protection Level** The load-to-self weight ratio can reach 1:3.2. Core components have been optimized with new control algorithms. The fully enclosed structure allows for a maximum protection level of IP68.
- 04 Compact and Flexible, Wide Application** The new teach pendant weighs only 1kg, and the floor space of the new control cabinet is reduced by 50%. AUBO iS-series cobots also come with a multifunctional tool end, enabling a broader range of applications.



High Performance



High Precision



Rapid Response



Safe and Stable



Modular Design



Flexible Production



Precision Engineered

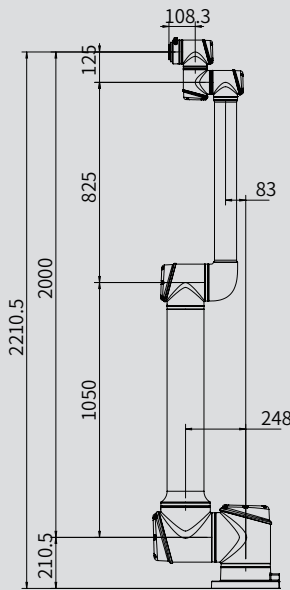


High IP Level

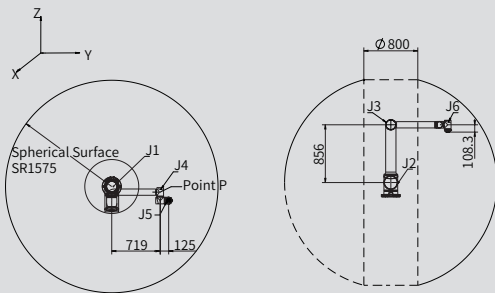


Compact and Lightweight

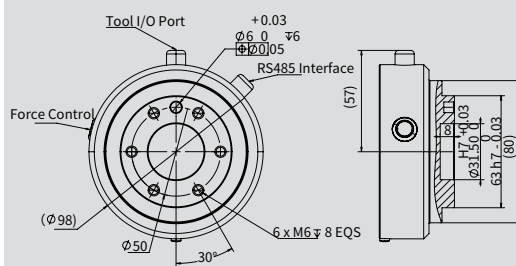
••• Others



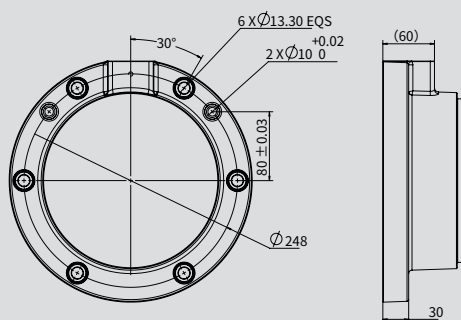
AUBO-iS25 Dimensions



AUBO-iS25 Moving Range of Point P



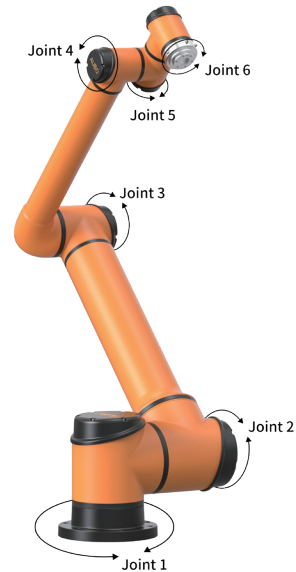
AUBO-iS25 Tool End Flange



AUBO-iS25 Top View of Base

Robot

Degrees of Freedom	6
Reach (mm)	1700
Payload (kg)	25
Weight (kg)	64
Mounting Surface Diameter (mm)	φ282
Repeatability (mm)	±0.05
Linear Velocity (m/s)	≤4
Average Power(W)	1000
Peak Power (W)	3000
Ambient Temperature (°C)	0-50
Ambient Humidity	90% RH (Non-condensing)
Installation Orientation	Any ceiling, Floor, Wall
IP Classification	IP67, up to IP68
ISO 14644-1 Cleanliness Class	5



Axis Movement

	Working Range (°)	Maximum Speed (°/s)
joint 1	±360	148.7
joint 2	±360	148.7
joint 3	±360	178
joint 4	±360	296.3
joint 5	±360	296.3
joint 6	±360	296.3

*Each joint has the ability of ±360 but is limited by the application scenario. Some joints may not be reached.

Control Box

Model	AUBO-CB-iS
Size (L*W*H)	400mm*160mm*320mm
Weight	12.5kg
Cable Connecting the Robot	5m (customizable, up to 8m)
Cable Connecting the Teach Pendant	3m
Cable Connecting the Power	5m
Communication	Ethernet, ModBus-RTU/TCP, Profinet/ EtherNet/IP (Optional)
Interface	SDK (support C/C++/C#/Lua/Python)- Support ROS- API
Power Supply	100-240VAC,50-60Hz
IP Classification	IP43



AUBO-CB-iS

Control Box I/O, Tool I/O

	Control Box	Tool
I/O Port		
Digital In	8 (normal) /8 (safe)	4 (optional)
Digital Out	8 (normal) /8 (safe)	4 (optional)
Analog In	2	2
Analog Out	2	-
RS485	1	1
I/O Power		
Output Voltage	24V	0V/12V/24V
Output Current	2A	2A (Peak 3A)

Teach Pendant

Model	AUBO-TP
Dimensions	254mm*213.1mm*40.8mm
Weight	1kg
IP Classification	IP43
Colors	Orange and black



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