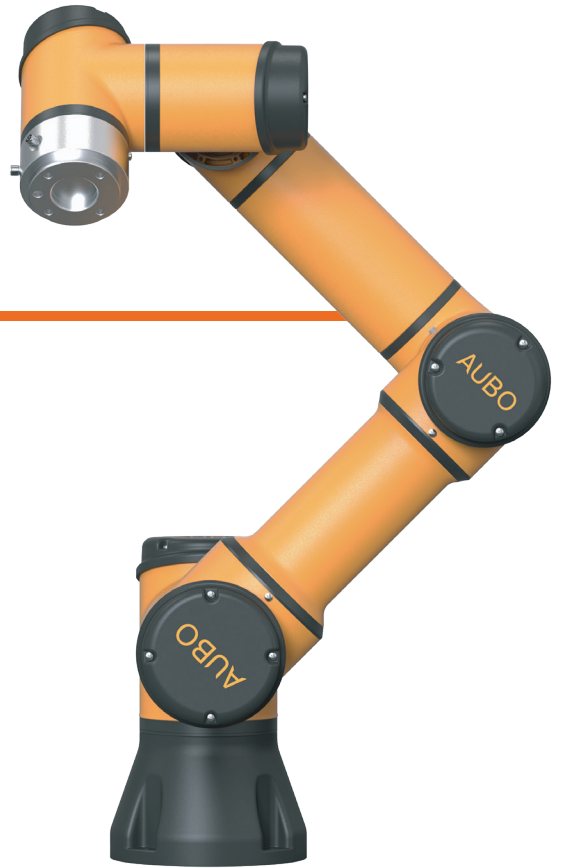


# AUBO-iS3

## iS Series Collaborative Robot



**3KG**  
PAYLOAD



**16KG**  
WEIGHT



**±0.02mm**  
REPEATABILITY



**625mm**  
WORKING RADIUS

- ✓ The AUBO-iS3 high-performance collaborative robot boasts a fast-operating robotic arm, capable of meeting the operational needs in complex and sensitive environments
- ✓ Payload: 3kg, arm span: 781mm, maximum working radius: 625mm
- ✓ High performance, fast response, compact and lightweight

### Applications

The AUBO iS series can be widely used across all industry scenarios, and is especially suitable for precision manufacturing, spraying, harsh/sensitive environments, and other special scenarios.



#### CERTIFICATIONS

- ISO 13849(PL d with Cat. 3)
- CE Certification
- NRTL Certification
- KCs Certification
- CR Certification
- SEMI S2 Certification
- RoHS Certification
- ISO class 4 Cleanroom ISO Class 4



### Features & Advantages

- 01 Modular and easy to replace:** Adopts an integrated modular design with 6 standard module specifications, enabling quick replacement and more convenient maintenance.
- 02 Enhanced performance, high precision, and high speed:** Compared to the i series, repeatability, absolute accuracy, and trajectory accuracy are comprehensively improved, and the robotic arm moves faster.
- 03 Brand new design, stronger protection:** The payload-to-weight ratio reaches up to 1:3.2, with optimized core components and new control algorithms; fully enclosed structure with a maximum IP68 protection rating.
- 04 Lightweight, flexible, and widely applicable:** The new teach pendant weighs only 1kg, and the new control cabinet reduces footprint by 50%; all models come standard with a multi-functional tool end, expanding the application range.



High Performance



High Precision



Rapid Response



Safe and Stable



Flexible Production



Fine Craftsmanship



Compact and Lightweight



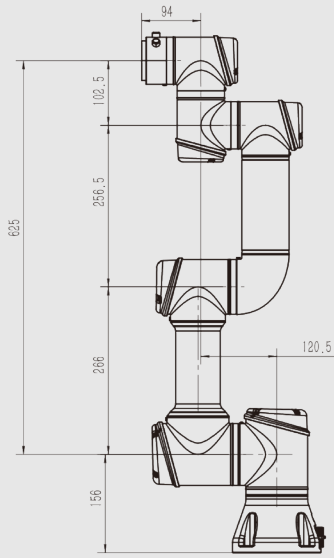
Modular Design



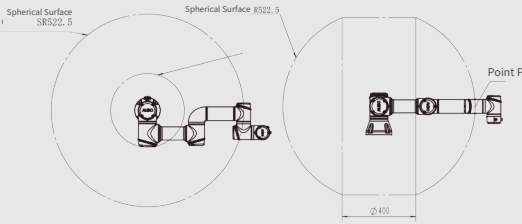
High Protection Class



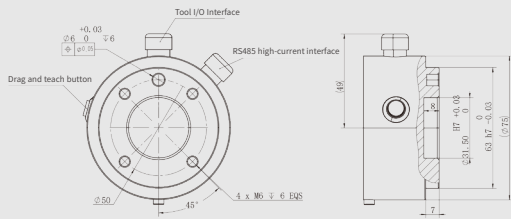
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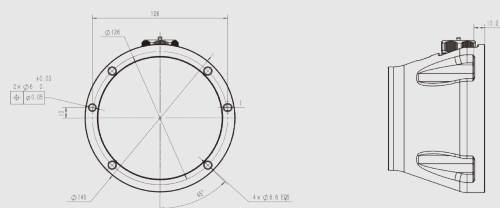
**AUBO-iS3 Dimensions Diagram**



**AUBO-iS3 Point P Motion Range**



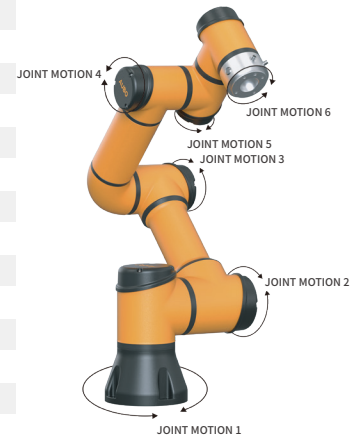
**AUBO-iS3 End Flange**



**AUBO-iS3 Base Top View**

### Robot

|                            |                          |
|----------------------------|--------------------------|
| Degrees of Freedom         | 6                        |
| Max Working Radius (mm)    | 625                      |
| Payload (kg)               | 3                        |
| Weight (kg)                | 16                       |
| Footprint Diameter (mm)    | Ø140                     |
| Repeatability (mm)         | ±0.02                    |
| Tool Speed (m/s)           | ≤2.5                     |
| Average Power (W)          | 150                      |
| Peak Power (W)             | 1000                     |
| Operating Temp. Range (°C) | 0-50                     |
| Operating Humidity         | 90% RH (Non-condensing)  |
| Mounting                   | Any angle                |
| IP Classification          | IP54 (IP67 customizable) |



| Joint Motion | Range of Motion(°) | Max Speed (°/s) |
|--------------|--------------------|-----------------|
| joint 1      | ±360               | 237             |
| joint 2      | ±360               | 237             |
| joint 3      | ±156               | 237             |
| joint 4      | ±360               | 237             |
| joint 5      | ±360               | 237             |
| joint 6      | ±360               | 237             |

\* Joint motion capabilities may be limited by application scenarios; maximum speeds may not be reached. Please note this during use.

### Control Cabinet

|                            |  |
|----------------------------|--|
| Product Model              | AUBO-CB-iS   |
| Dimensions (L*H*W)         | 400mm*320mm*160mm  |
| Weight                     | 12.5kg   |
| Robot Arm Cable Length     | 5m (Customizable, up to 8m)  |
| Teach Pendant Cable Length | 4m   |
| Power Cable Length         | 5m   |
| Communication Protocols    | Ethernet, ModBus-RTU/TCP, Profinet, Ethernet/IP (Optional)                     |
| Interfaces & Openness      | SDK (C/C++/C#/Lua/Python/JavaScript Windows + Linux) 、 supporting ROS/ROS2, AP |
| Power Supply               | 115/230VAC, 50/60Hz  |
| IP Classification          | IP43   |



| I/O Interfaces      | Control Cabinet                         | Tool End    |
|---------------------|---|-------------|
| Digital Input       | 16(Standard),16(Configurable)/8(Safety) | 4(Standard) |
| Digital Output      | 16(Standard),16(Configurable)/8(Safety) | 4(Standard) |
| Analog Input        | 2                                       | 2           |
| Analog Output       | 2                                       | -           |
| RS485 Communication | 2                                       | 1           |
| I/O Power           |   |             |
| Output Voltage      | 24V                                     | 0V/12V/24V  |
| Output Current      | 3A Max                                  | 2A (3A Max) |

### Teach Pendant

|                    |                      |
|--------------------|----------------------|
| Product Model      | AUBO-TP-IS           |
| Dimensions (L*H*W) | 254mm*213.1mm*40.8mm |
| Weight             | 1.0kg                |
| IP Classification  | IP54                 |
| Color              | Orange + Black       |



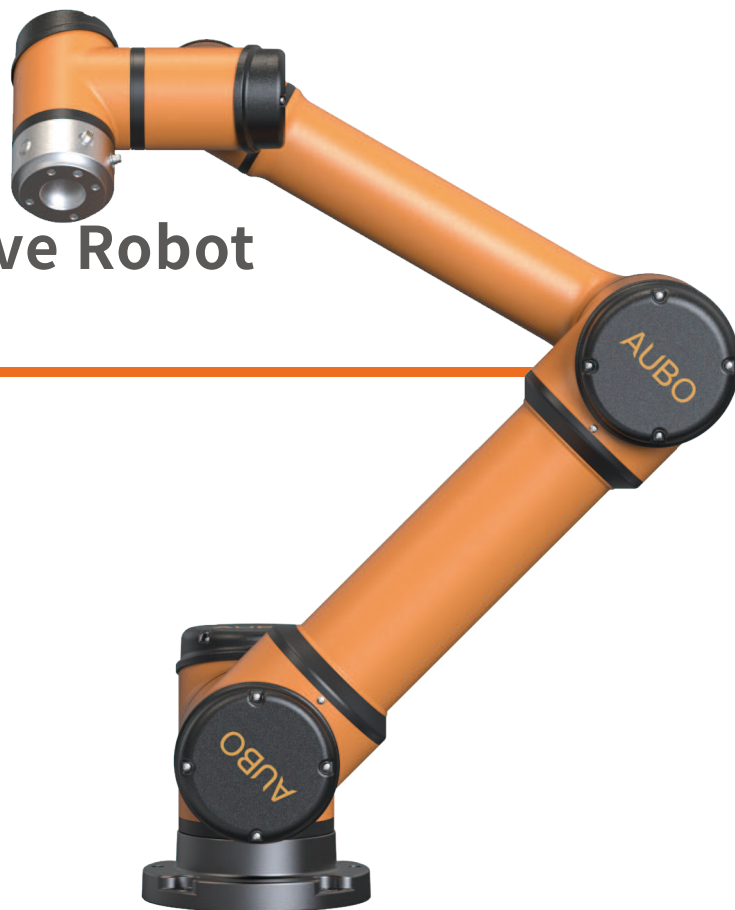
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# AUBO-iS7

## iS Series Collaborative Robot



**7KG**  
PAYLOAD



**21.5KG**  
WEIGHT



**±0.02mm**  
REPEATABILITY



**886.5mm**  
WORKING RADIUS

- ✓ The AUBO-iS7 high-performance collaborative robot boasts a fast-operating robotic arm, capable of meeting the operational needs in complex and sensitive environments
- ✓ Payload: 7kg, arm span: 1008.5mm, maximum working radius: 886.5mm
- ✓ High performance, fast response, compact and lightweight

### Applications

The AUBO iS series can be widely used across all industry scenarios, and is especially suitable for precision manufacturing, spraying, harsh/sensitive environments, and other special scenarios.



#### CERTIFICATIONS

- ISO 13849(PL d with Cat. 3)
- CE Certification
- NRTL Certification
- KCs Certification
- CR Certification
- SEMI S2 Certification
- RoHS Certification
- ISO class 4 Cleanroom ISO Class 4



### Features & Advantages

- 01 Modular and easy to replace:** Adopts an integrated modular design with 6 standard module specifications, enabling quick replacement and more convenient maintenance.
- 02 Enhanced performance, high precision, and high speed:** Compared to the i series, repeatability, absolute accuracy, and trajectory accuracy are comprehensively improved, and the robotic arm moves faster.
- 03 Brand new design, stronger protection:** The payload-to-weight ratio reaches up to 1:3.2, with optimized core components and new control algorithms; fully enclosed structure with a maximum IP68 protection rating.
- 04 Lightweight, flexible, and widely applicable:** The new teach pendant weighs only 1kg, and the new control cabinet reduces footprint by 50%; all models come standard with a multi-functional tool end, expanding the application range.



High Performance



High Precision



Rapid Response



Safe and Stable



Flexible Production



Fine Craftsmanship



Compact and Lightweight



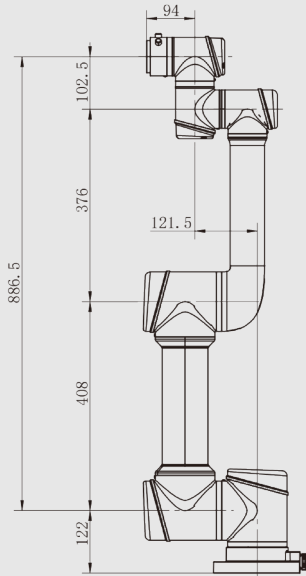
Modular Design



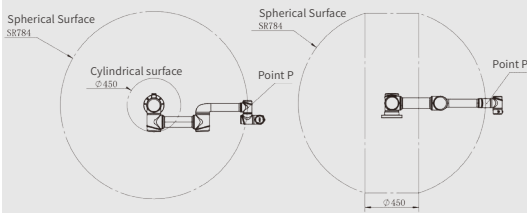
High Protection Class



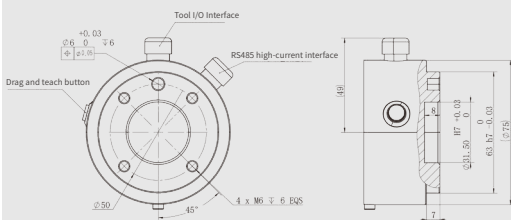
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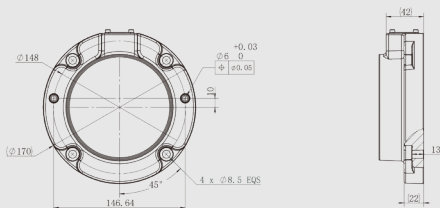
**AUBO-iS7 Dimensions Diagram**



**AUBO-iS7 Point P Motion Range**



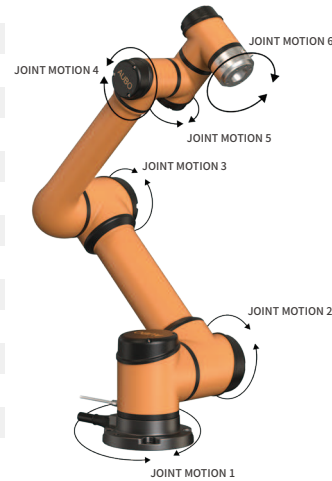
**AUBO-iS7 End Flange**



**AUBO-iS7 Base Top View**

### Robot

|                            |                         |
|----------------------------|-------------------------|
| Degrees of Freedom         | 6                       |
| Max Working Radius (mm)    | 886.5                   |
| Payload (kg)               | 7                       |
| Weight (kg)                | 21.5                    |
| Footprint Diameter (mm)    | Ø170                    |
| Repeatability (mm)         | ±0.02                   |
| Tool Speed (m/s)           | ≤3.6                    |
| Average Power (W)          | 200                     |
| Peak Power (W)             | 2000                    |
| Operating Temp. Range (°C) | 0-50                    |
| Operating Humidity         | 90% RH (Non-condensing) |
| Mounting                   | Any angle               |
| IP Classification          | IP67                    |



| Joint Motion | Range of Motion(°) | Max Speed (°/s) |
|--------------|--------------------|-----------------|
| joint 1      | ±360               | 237             |
| joint 2      | ±360               | 237             |
| joint 3      | ±162               | 237             |
| joint 4      | ±360               | 296             |
| joint 5      | ±360               | 296             |
| joint 6      | ±360               | 296             |

\* Joint motion capabilities may be limited by application scenarios; maximum speeds may not be reached. Please note this during use.

### Control Cabinet

|                            |  |
|----------------------------|--|
| Product Model              | AUBO-CB-iS   |
| Dimensions (L*H*W)         | 400mm*320mm*160mm  |
| Weight                     | 12.5kg   |
| Robot Arm Cable Length     | 5m (Customizable, up to 8m)  |
| Teach Pendant Cable Length | 4m   |
| Power Cable Length         | 5m   |
| Communication Protocols    | Ethernet, ModBus-RTU/TCP, Profinet, Ethernet/IP (Optional)                   |
| Interfaces & Openness      | SDK (C/C++/C#/Lua/Python/JavaScript Windows + Linux )、supporting ROS/ROS2、AP |
| Power Supply               | 115/230VAC, 50/60Hz  |
| IP Classification          | IP43   |



| I/O Interfaces | Control Cabinet     | Tool End                                |             |
|----------------|---------------------|---|-------------|
| I/O Interfaces | Digital Input       | 16(Standard),16(Configurable)/8(Safety) | 4(Standard) |
|                | Digital Output      | 16(Standard),16(Configurable)/8(Safety) | 4(Standard) |
|                | Analog Input        | 2                                       | 2           |
|                | Analog Output       | 2                                       | -           |
|                | RS485 Communication | 2                                       | 1           |
| I/O Power      | Output Voltage      | 24V                                     | 0V/12V/24V  |
|                | Output Current      | 3A Max                                  | 2A (3A Max) |

### Teach Pendant

|                    |                      |
|--------------------|----------------------|
| Product Model      | AUBO-TP-IS           |
| Dimensions (L*H*W) | 254mm*213.1mm*40.8mm |
| Weight             | 1.0kg                |
| IP Classification  | IP54                 |
| Color              | Orange + Black       |



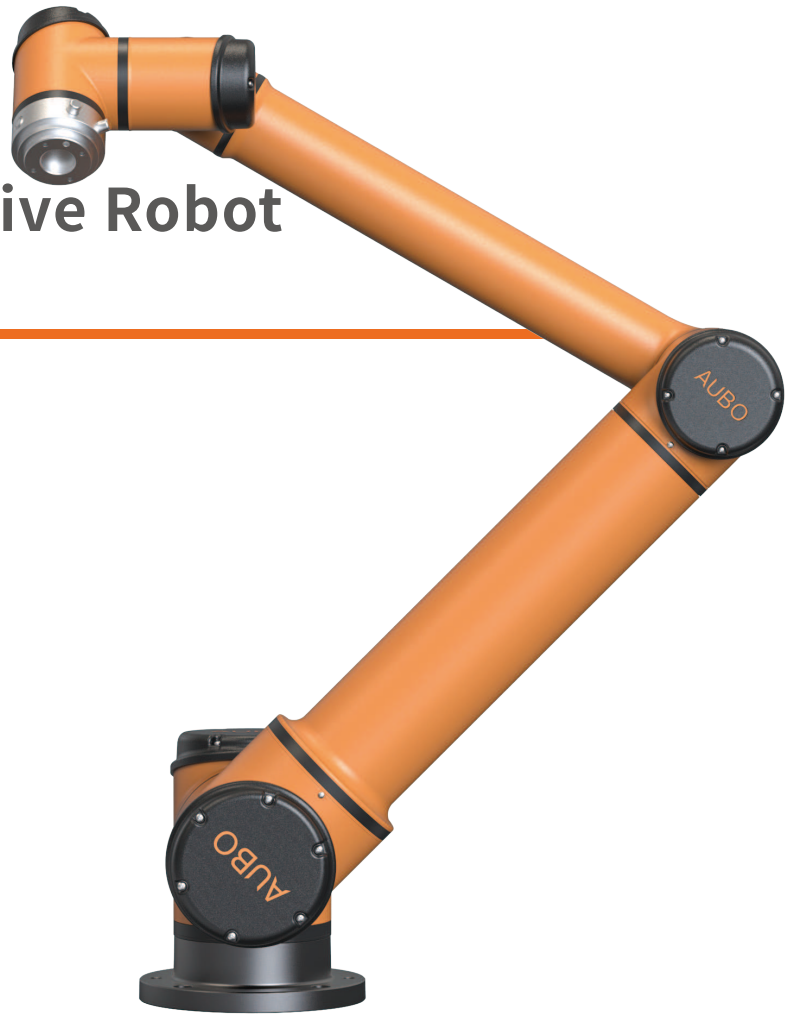
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# AUBO-iS10

## iS Series Collaborative Robot



**12KG**  
PAYLOAD



**36KG**  
WEIGHT



**±0.03mm**  
REPEATABILITY



**1300mm**  
WORKING RADIUS

The AUBO-iS10 high-performance collaborative robot boasts a fast-operating robotic arm, capable of meeting the operational needs in complex and sensitive environments

- ✓ Payload: 12kg, arm span: 1457mm, maximum working radius: 1300mm
- ✓ High performance, fast response, compact and lightweight

### Applications

The AUBO iS series can be widely used across all industry scenarios, and is especially suitable for precision manufacturing, spraying, harsh/sensitive environments, and other special scenarios.



#### CERTIFICATIONS

- ISO 13849(PL d with Cat. 3)
- CE Certification
- NRTL Certification
- KCs Certification
- CR Certification
- SEMI S2 Certification
- RoHS Certification
- ISO class 4 Cleanroom ISO Class 4



### Features & Advantages

- 01 Modular and easy to replace:** Adopts an integrated modular design with 6 standard module specifications, enabling quick replacement and more convenient maintenance.
- 02 Enhanced performance, high precision, and high speed:** Compared to the i series, repeatability, absolute accuracy, and trajectory accuracy are comprehensively improved, and the robotic arm moves faster.
- 03 Brand new design, stronger protection:** The payload-to-weight ratio reaches up to 1:3.2, with optimized core components and new control algorithms; fully enclosed structure with a maximum IP68 protection rating.
- 04 Lightweight, flexible, and widely applicable:** The new teach pendant weighs only 1kg, and the new control cabinet reduces footprint by 50%; all models come standard with a multi-functional tool end, expanding the application range.



High Performance



High Precision



Rapid Response



Safe and Stable



Flexible Production



Fine Craftsmanship



Compact and Lightweight

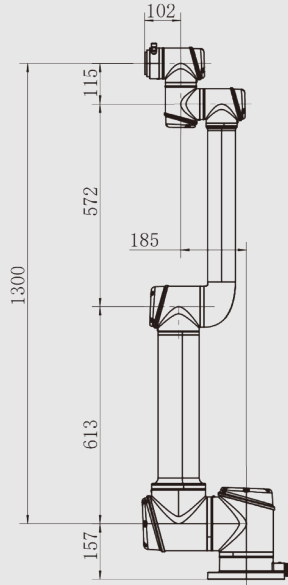


Modular Design

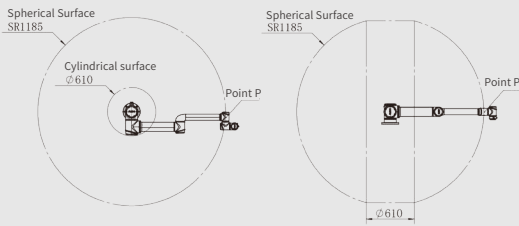


High Protection Class

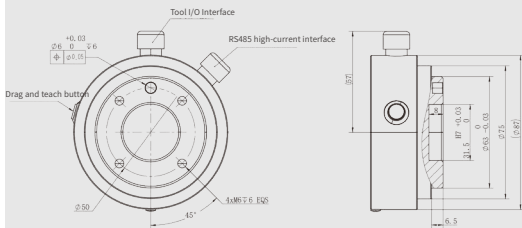




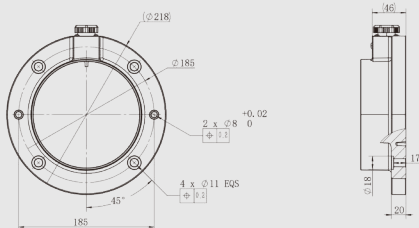
**AUBO-iS10 Dimensions Diagram**



**AUBO-iS10 Point P Motion Range**



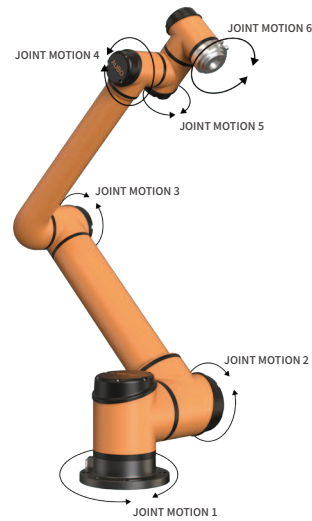
**AUBO-iS10 End Flange**



**AUBO-iS10 Base Top View**

### Robot

|                            |                         |
|----------------------------|-------------------------|
| Degrees of Freedom         | 6                       |
| Max Working Radius (mm)    | 1300                    |
| Payload (kg)               | 12                      |
| Weight (kg)                | 36                      |
| Footprint Diameter (mm)    | Ø218                    |
| Repeatability (mm)         | ±0.03                   |
| Tool Speed (m/s)           | ≤4.0                    |
| Average Power (W)          | 500                     |
| Peak Power (W)             | 2000                    |
| Operating Temp. Range (°C) | 0-50                    |
| Operating Humidity         | 90% RH (Non-condensing) |
| Mounting                   | Any angle               |
| IP Classification          | IP67                    |



| Joint Motion | Range of Motion(°) | Max Speed (°/s) |
|--------------|--------------------|-----------------|
| joint 1      | ±360               | 178             |
| joint 2      | ±360               | 178             |
| joint 3      | ±167               | 237             |
| joint 4      | ±360               | 296             |
| joint 5      | ±360               | 296             |
| joint 6      | ±360               | 296             |

\* Joint motion capabilities may be limited by application scenarios; maximum speeds may not be reached. Please note this during use.

### Control Cabinet

|                            |  |
|----------------------------|--|
| Product Model              | AUBO-CB-iS   |
| Dimensions (L*H*W)         | 400mm*320mm*160mm  |
| Weight                     | 12.5kg   |
| Robot Arm Cable Length     | 5m (Customizable, up to 8m)  |
| Teach Pendant Cable Length | 4m   |
| Power Cable Length         | 5m   |
| Communication Protocols    | Ethernet, ModBus-RTU/TCP, Profinet, Ethernet/IP (Optional)                     |
| Interfaces & Openness      | SDK (C/C++/C#/Lua/Python/JavaScript Windows + Linux) , supporting ROS/ROS2, AP |
| Power Supply               | 115/230VAC, 50/60Hz  |
| IP Classification          | IP43   |



| I/O Interfaces               | Control Cabinet                         | Tool End    |
|------------------------------|---|-------------|
| I/O Interfaces Digital Input | 16(Standard),16(Configurable)/8(Safety) | 4(Standard) |
| Digital Output               | 16(Standard),16(Configurable)/8(Safety) | 4(Standard) |
| Analog Input                 | 2                                       | 2           |
| Analog Output                | 2                                       | -           |
| RS485 Communication          | 2                                       | 1           |
| I/O Power Output Voltage     | 24V                                     | 0V/12V/24V  |
| Output Current               | 3A Max                                  | 2A (3A Max) |

### Teach Pendant

|                    |                      |
|--------------------|----------------------|
| Product Model      | AUBO-TP-IS           |
| Dimensions (L*H*W) | 254mm*213.1mm*40.8mm |
| Weight             | 1.0kg                |
| IP Classification  | IP54                 |
| Color              | Orange + Black       |



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# AUBO-iS20

## iS Series Collaborative Robot



**20KG**

PAYLOAD



**64KG**

WEIGHT



**±0.05mm**

REPEATABILITY



**1647mm**

WORKING RADIUS

- ✓ The AUBO-iS20 high-performance collaborative robot boasts a fast-operating robotic arm, capable of meeting the operational needs in complex and sensitive environments
- ✓ Payload: 20kg, arm span: 1832.5mm, maximum working radius: 1647mm
- ✓ High performance, fast response, compact and lightweight

### Applications

The AUBO iS series can be widely used across all industry scenarios, and is especially suitable for precision manufacturing, spraying, harsh/sensitive environments, and other special scenarios.



### CERTIFICATIONS

- ISO 13849(PL d with Cat. 3)
- CE Certification
- NRTL Certification
- KCs Certification
- CR Certification
- SEMI S2 Certification
- RoHS Certification
- ISO class 4 Cleanroom ISO Class 4



### Features & Advantages

- 01 Modular and easy to replace:** Adopts an integrated modular design with 6 standard module specifications, enabling quick replacement and more convenient maintenance.
- 02 Enhanced performance, high precision, and high speed:** Compared to the i series, repeatability, absolute accuracy, and trajectory accuracy are comprehensively improved, and the robotic arm moves faster.
- 03 Brand new design, stronger protection:** The payload-to-weight ratio reaches up to 1:3.2, with optimized core components and new control algorithms; fully enclosed structure with a maximum IP68 protection rating.
- 04 Lightweight, flexible, and widely applicable:** The new teach pendant weighs only 1kg, and the new control cabinet reduces footprint by 50%; all models come standard with a multi-functional tool end, expanding the application range.



High Performance



High Precision



Rapid Response



Safe and Stable



Flexible Production



Fine Craftsmanship



Compact and Lightweight



Modular Design



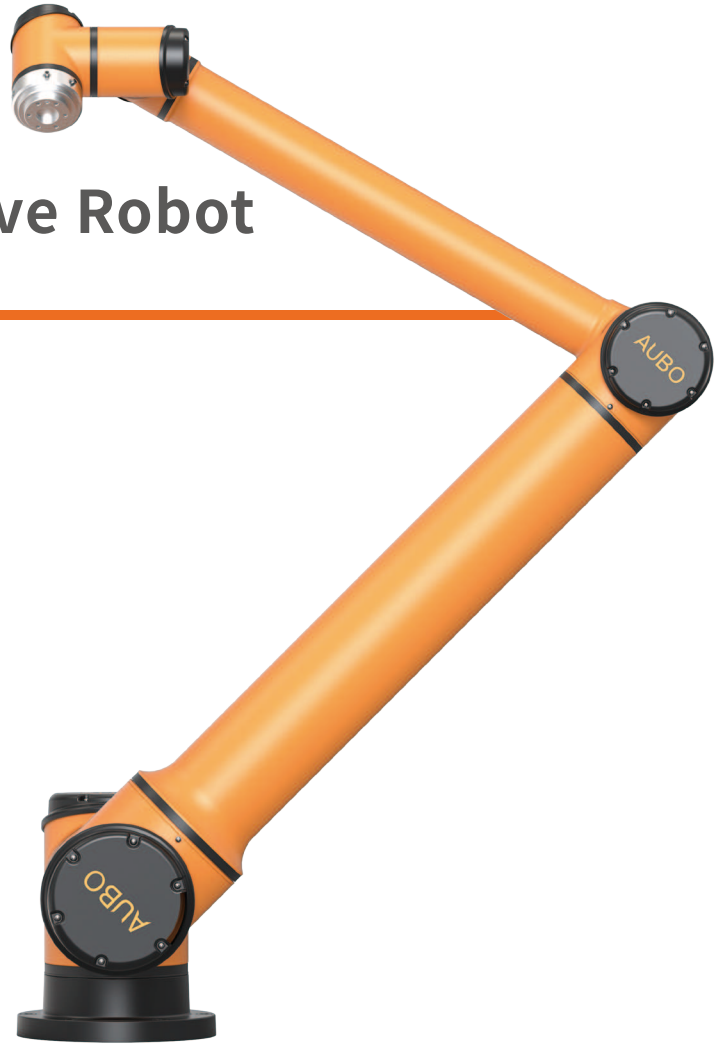
High Protection Class





# AUBO-iS20L

## iS Series Collaborative Robot



**20KG**

PAYLOAD



**72KG**

WEIGHT



**±0.05mm**

REPEATABILITY



**2000mm**

WORKING RADIUS

- ✓ The AUBO-iS20L high-performance collaborative robot boasts a fast-operating robotic arm, capable of meeting the operational needs in complex and sensitive environments
- ✓ Payload: 20kg, arm span:2210.5mm, maximum working radius:2000mm
- ✓ High performance, fast response, compact and lightweight

### Applications

The AUBO iS series can be widely used across all industry scenarios, and is especially suitable for precision manufacturing, spraying, harsh/sensitive environments, and other special scenarios.



#### CERTIFICATIONS

- ISO 13849(PL d with Cat. 3)
- CE Certification
- NRTL Certification
- KCs Certification
- CR Certification
- SEMI S2 Certification
- RoHS Certification
- ISO class 4 Cleanroom ISO Class 4



### Features & Advantages

- 01 Modular and easy to replace:** Adopts an integrated modular design with 6 standard module specifications, enabling quick replacement and more convenient maintenance.
- 02 Enhanced performance, high precision, and high speed:** Compared to the i series, repeatability, absolute accuracy, and trajectory accuracy are comprehensively improved, and the robotic arm moves faster.
- 03 Brand new design, stronger protection:** The payload-to-weight ratio reaches up to 1:3.2, with optimized core components and new control algorithms; fully enclosed structure with a maximum IP68 protection rating.
- 04 Lightweight, flexible, and widely applicable:** The new teach pendant weighs only 1kg, and the new control cabinet reduces footprint by 50%; all models come standard with a multi-functional tool end, expanding the application range.



High Performance



High Precision



Rapid Response



Safe and Stable



Flexible Production



Fine Craftsmanship



Compact and Lightweight

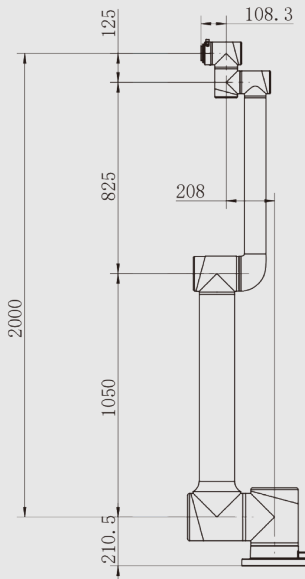


Modular Design

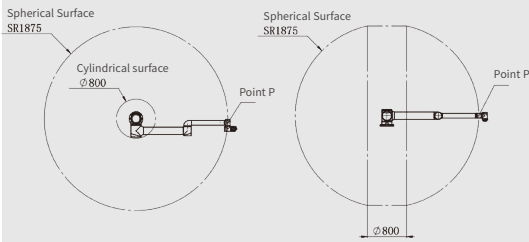


High Protection Class

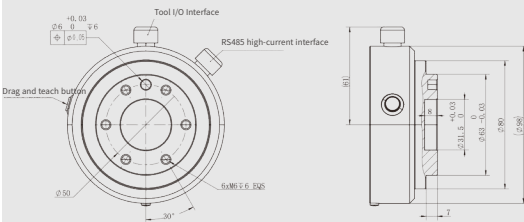




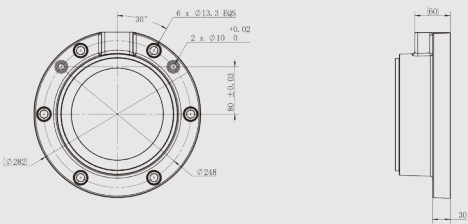
**AUBO-iS20L Dimensions Diagram**



**AUBO-iS20L Point P Motion Range**



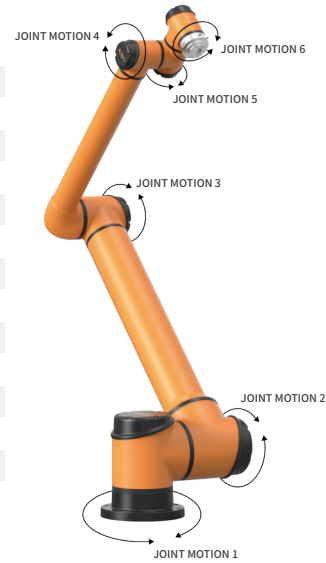
**AUBO-iS20L End Flange**



**AUBO-iS20L Base Top View**

### Robot

|                            |                         |
|----------------------------|-------------------------|
| Degrees of Freedom         | 6                       |
| Max Working Radius (mm)    | 2000                    |
| Payload (kg)               | 20                      |
| Weight (kg)                | 72                      |
| Footprint Diameter (mm)    | Ø282                    |
| Repeatability (mm)         | ±0.05                   |
| Tool Speed (m/s)           | ≤3.5                    |
| Average Power (W)          | 1000                    |
| Peak Power (W)             | 3000                    |
| Operating Temp. Range (°C) | 0-50                    |
| Operating Humidity         | 90% RH (Non-condensing) |
| Mounting                   | Any angle               |
| IP Classification          | IP54 (Up to IP67)       |



### Joint Motion

| Joint   | Range of Motion(°) | Max Speed (°/s) |
|---------|--------------------|-----------------|
| joint 1 | ±360               | 104             |
| joint 2 | ±360               | 104             |
| joint 3 | ±170               | 178             |
| joint 4 | ±360               | 296             |
| joint 5 | ±360               | 296             |
| joint 6 | ±360               | 296             |

\* Joint motion capabilities may be limited by application scenarios; maximum speeds may not be reached. Please note this during use.

### Control Cabinet

|                            |  |
|----------------------------|--|
| Product Model              | AUBO-CB-iS   |
| Dimensions (L*H*W)         | 400mm*320mm*160mm  |
| Weight                     | 12.5kg   |
| Robot Arm Cable Length     | 5m (Customizable, up to 8m)  |
| Teach Pendant Cable Length | 4m   |
| Power Cable Length         | 5m   |
| Communication Protocols    | Ethernet, ModBus-RTU/TCP, Profinet, Ethernet/IP (Optional)                     |
| Interfaces & Openness      | SDK (C/C++/C#/Lua/Python/JavaScript Windows + Linux) , supporting ROS/ROS2, AP |
| Power Supply               | 115/230VAC, 50/60Hz  |
| IP Classification          | IP43   |



### I/O Interfaces

|                     | Control Cabinet                         | Tool End    |
|---------------------|---|-------------|
| I/O Interfaces      |   |             |
| Digital Input       | 16(Standard),16(Configurable)/8(Safety) | 4(Standard) |
| Digital Output      | 16(Standard),16(Configurable)/8(Safety) | 4(Standard) |
| Analog Input        | 2                                       | 2           |
| Analog Output       | 2                                       | -           |
| RS485 Communication | 2                                       | 1           |
| I/O Power           |   |             |
| Output Voltage      | 24V                                     | 0V/12V/24V  |
| Output Current      | 3A Max                                  | 2A (3A Max) |

### Teach Pendant

|                    |                      |
|--------------------|----------------------|
| Product Model      | AUBO-TP-IS           |
| Dimensions (L*H*W) | 254mm*213.1mm*40.8mm |
| Weight             | 1.0kg                |
| IP Classification  | IP54                 |
| Color              | Orange + Black       |



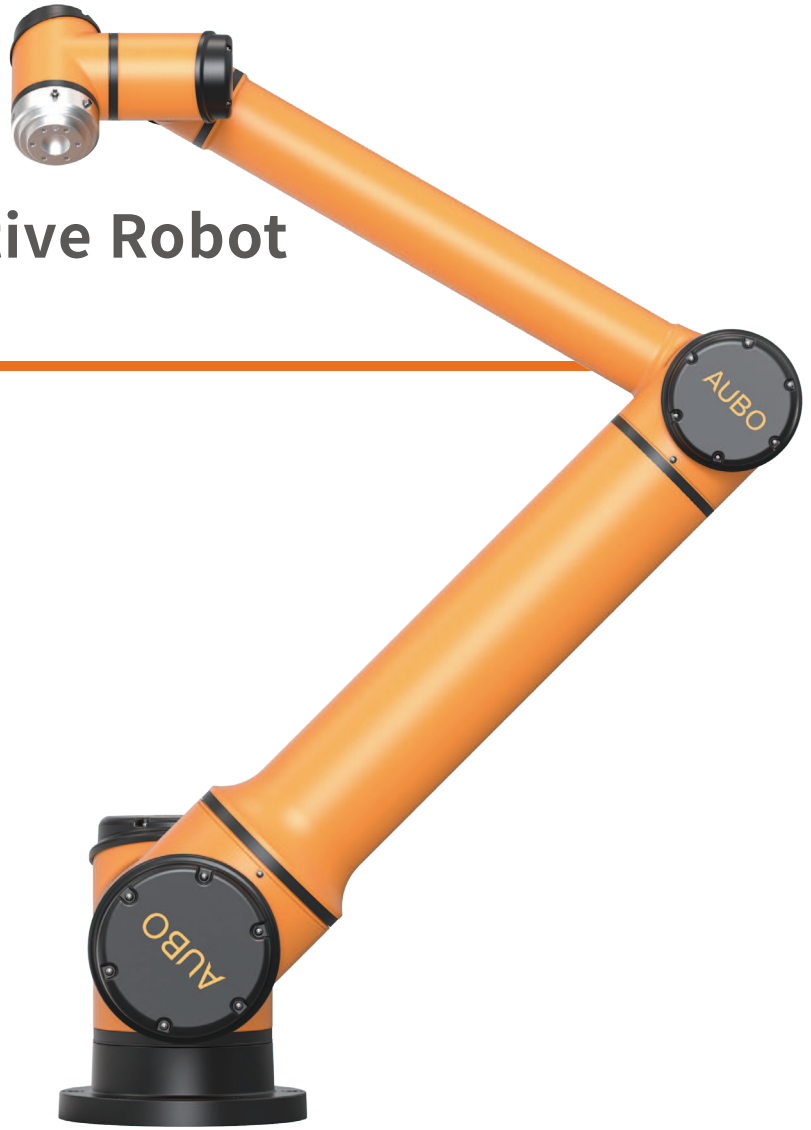
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# AUBO-iS25

## iS Series Collaborative Robot



**25KG**

PAYLOAD



**75.6KG**

WEIGHT



**±0.05mm**

REPEATABILITY



**1700mm**

WORKING RADIUS

- ✓ The AUBO-iS25 high-performance collaborative robot boasts a fast-operating robotic arm, capable of meeting the operational needs in complex and sensitive environments
- ✓ Payload: 25kg, arm span: 1910.5mm, maximum working radius: 1700mm
- ✓ High performance, fast response, compact and lightweight

### Applications

The AUBO iS series can be widely used across all industry scenarios, and is especially suitable for precision manufacturing, spraying, harsh/sensitive environments, and other special scenarios.



#### CERTIFICATIONS

- ISO 13849(PL d with Cat. 3)
- CE Certification
- NRTL Certification
- KCs Certification
- CR Certification
- SEMI S2 Certification
- RoHS Certification
- ISO class 4 Cleanroom ISO Class 4



### Features & Advantages

- 01 Modular and easy to replace:** Adopts an integrated modular design with 6 standard module specifications, enabling quick replacement and more convenient maintenance.
- 02 Enhanced performance, high precision, and high speed:** Compared to the i series, repeatability, absolute accuracy, and trajectory accuracy are comprehensively improved, and the robotic arm moves faster.
- 03 Brand new design, stronger protection:** The payload-to-weight ratio reaches up to 1:3.2, with optimized core components and new control algorithms; fully enclosed structure with a maximum IP68 protection rating.
- 04 Lightweight, flexible, and widely applicable:** The new teach pendant weighs only 1kg, and the new control cabinet reduces footprint by 50%; all models come standard with a multi-functional tool end, expanding the application range.



High Performance



High Precision



Rapid Response



Safe and Stable



Flexible Production



Fine Craftsmanship



Compact and Lightweight

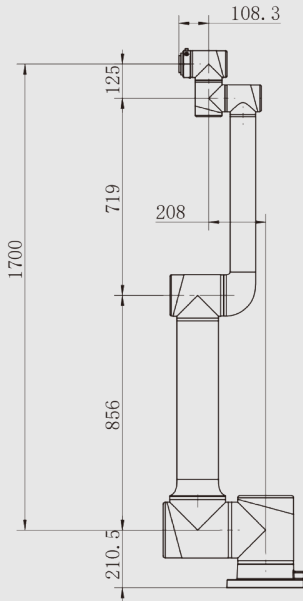


Modular Design

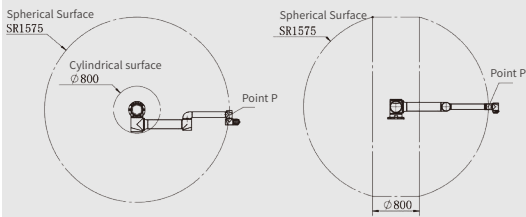


High Protection Class

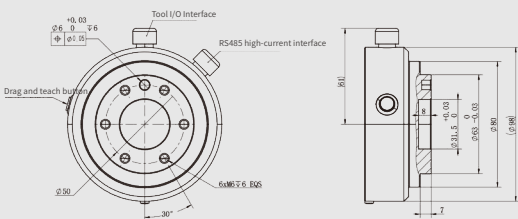




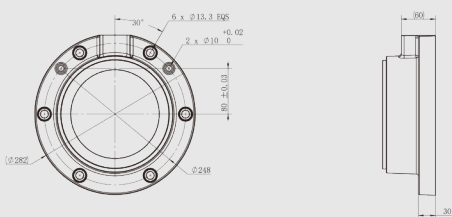
**AUBO-IS25** Dimensions Diagram



**AUBO-IS25** Point P Motion Range



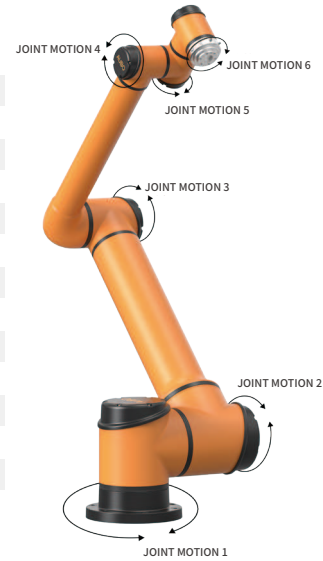
**AUBO-IS25** End Flange



**AUBO-IS25** Base Top View

### Robot

|                            |                         |
|----------------------------|-------------------------|
| Degrees of Freedom         | 6                       |
| Max Working Radius (mm)    | 1700                    |
| Payload (kg)               | 25                      |
| Weight (kg)                | 75.6                    |
| Footprint Diameter (mm)    | Ø282                    |
| Repeatability (mm)         | ±0.05                   |
| Tool Speed (m/s)           | ≤3                      |
| Average Power (W)          | 1000                    |
| Peak Power (W)             | 3000                    |
| Operating Temp. Range (°C) | 0-50                    |
| Operating Humidity         | 90% RH (Non-condensing) |
| Mounting                   | Any angle               |
| IP Classification          | IP54 (Up to IP67)       |



### Joint Motion

| Joint Motion | Range of Motion(°) | Max Speed (°/s) |
|--------------|--------------------|-----------------|
| joint 1      | ±360               | 104             |
| joint 2      | ±360               | 104             |
| joint 3      | ±166               | 178             |
| joint 4      | ±360               | 296             |
| joint 5      | ±360               | 296             |
| joint 6      | ±360               | 296             |

\* Joint motion capabilities may be limited by application scenarios; maximum speeds may not be reached. Please note this during use.

### Control Cabinet

|                            |  |
|----------------------------|--|
| Product Model              | AUBO-CB-iS   |
| Dimensions (L*H*W)         | 400mm*320mm*160mm  |
| Weight                     | 12.5kg   |
| Robot Arm Cable Length     | 5m (Customizable, up to 8m)  |
| Teach Pendant Cable Length | 4m   |
| Power Cable Length         | 5m   |
| Communication Protocols    | Ethernet, ModBus-RTU/TCP, Profinet, Ethernet/IP (Optional)                     |
| Interfaces & Openness      | SDK (C/C++/C#/Lua/Python/JavaScript Windows + Linux) 、 supporting ROS/ROS2, AP |
| Power Supply               | 115/230VAC, 50/60Hz  |
| IP Classification          | IP43   |



### I/O Interfaces

|                     | Control Cabinet                         | Tool End    |
|---------------------|---|-------------|
| I/O Interfaces      |   |             |
| Digital Input       | 16(Standard),16(Configurable)/8(Safety) | 4(Standard) |
| Digital Output      | 16(Standard),16(Configurable)/8(Safety) | 4(Standard) |
| Analog Input        | 2                                       | 2           |
| Analog Output       | 2                                       | -           |
| RS485 Communication | 2                                       | 1           |
| I/O Power           |   |             |
| Output Voltage      | 24V                                     | 0V/12V/24V  |
| Output Current      | 3A Max                                  | 2A (3A Max) |

### Teach Pendant

|                    |                      |
|--------------------|----------------------|
| Product Model      | AUBO-TP-IS           |
| Dimensions (L*H*W) | 254mm*213.1mm*40.8mm |
| Weight             | 1.0kg                |
| IP Classification  | IP54                 |
| Color              | Orange + Black       |



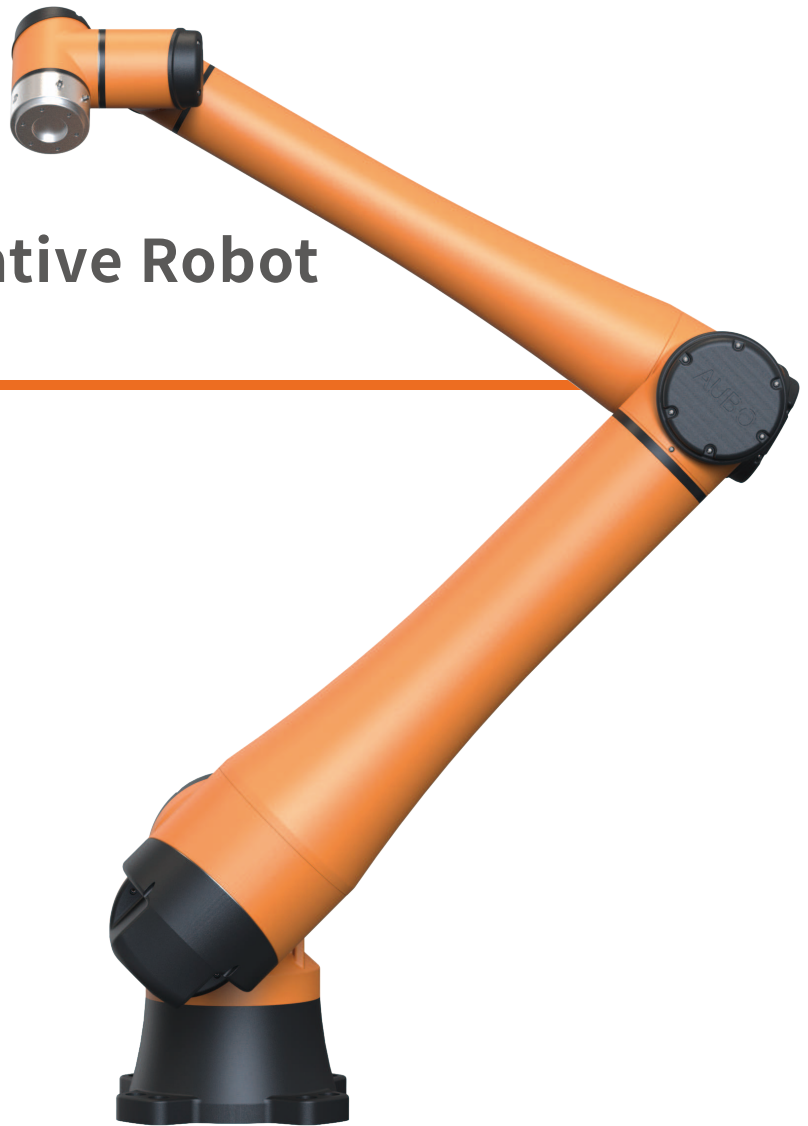
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# AUBO-iS35

## iS Series Collaborative Robot



**35KG**

PAYLOAD



**172KG**

WEIGHT



**±0.05mm**

REPEATABILITY



**2100mm**

WORKING RADIUS

- ✓ It achieves a 35kg ultra-heavy payload.
- ✓ Its joints can rotate  $\pm 360^\circ$ .
- ✓ 2100mm maximum working radius and  $\pm 0.05$ mm repeatability
- ✓ It covers various heavy-payload application scenarios.

### Applications

The AUBO iS series can be widely used across all industry scenarios, and is especially suitable for precision manufacturing, spraying, harsh/sensitive environments, and other special scenarios.



#### CERTIFICATIONS

- ISO 13849(PL d with Cat. 3)
- CE Certification
- NRTL Certification
- KCs Certification
- CR Certification
- SEMI S2 Certification
- RoHS Certification
- ISO class 4 Cleanroom ISO Class 4



### Features & Advantages

- 01 Modular and easy to replace:** Adopts an integrated modular design with 6 standard module specifications, enabling quick replacement and more convenient maintenance.
- 02 Enhanced performance, high precision, and high speed:** Compared to the i series, repeatability, absolute accuracy, and trajectory accuracy are comprehensively improved, and the robotic arm moves faster.
- 03 Brand new design, stronger protection:** The payload-to-weight ratio reaches up to 1:3.2, with optimized core components and new control algorithms; fully enclosed structure with a maximum IP68 protection rating.
- 04 Lightweight, flexible, and widely applicable:** The new teach pendant weighs only 1kg, and the new control cabinet reduces footprint by 50%; all models come standard with a multi-functional tool end, expanding the application range.



High Performance



High Precision



Rapid Response



Safe and Stable



Flexible Production



Fine Craftsmanship



Compact and Lightweight

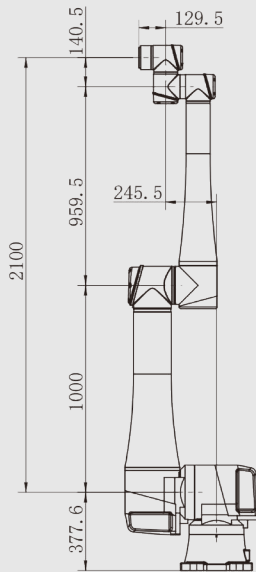


Modular Design

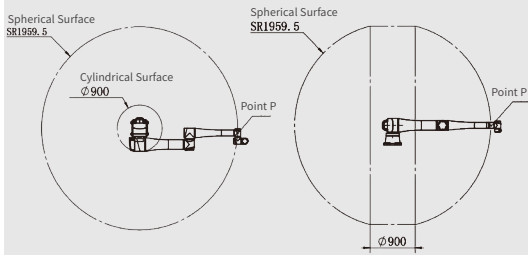


High Protection Class

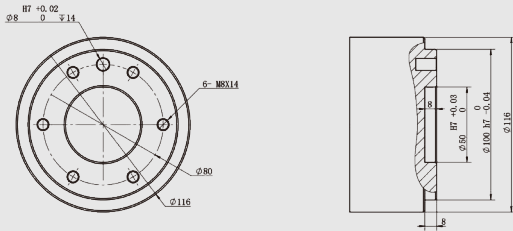




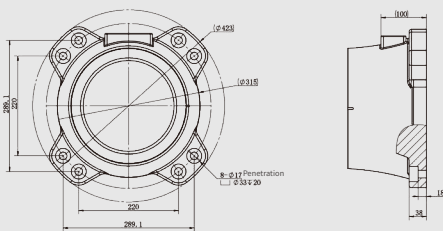
**AUBO-iS35 Dimensions Diagram**



**AUBO-iS35 Point P Motion Range**



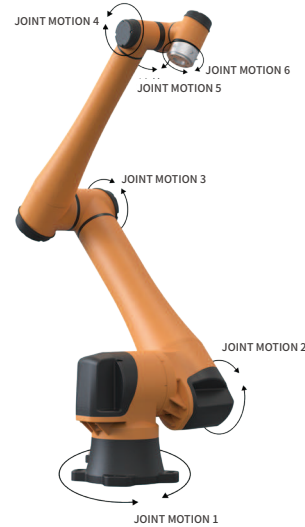
**AUBO-iS35 End Flange**



**AUBO-iS35 Base Top View**

### Robot

|                            |                         |
|----------------------------|-------------------------|
| Degrees of Freedom         | 6                       |
| Max Working Radius (mm)    | 2100                    |
| Payload (kg)               | 35                      |
| Weight (kg)                | 172                     |
| Footprint Diameter (mm)    | Ø423                    |
| Repeatability (mm)         | ±0.05                   |
| Tool Speed (m/s)           | ≤4                      |
| Average Power (W)          | 2000 (Estimated)        |
| Peak Power (W)             | 6000 (Estimated)        |
| Operating Temp. Range (°C) | 0-50                    |
| Operating Humidity         | 90% RH (Non-condensing) |
| Mounting                   | Any angle               |
| IP Classification          | IP54 (Up to IP67)       |



### Joint Motion

| Joint   | Range of Motion(°) | Max Speed (°/s) |
|---------|--------------------|-----------------|
| joint 1 | ±360               | 113             |
| joint 2 | ±360               | 113             |
| joint 3 | ±168               | 123             |
| joint 4 | ±360               | 237             |
| joint 5 | ±360               | 237             |
| joint 6 | ±360               | 237             |

\*Joint motion capabilities may be limited by application scenarios; maximum speeds may not be reached. Please note this during use.

### Control Cabinet

|                            |   |       |
|----------------------------|---|-------|
| Product Model              | AUBO-CB-iS-H  |       |
| Dimensions (L*H*W)         | 440mm*320mm*240mm   |       |
| Weight                     | 18kg  | 320mm |
| Robot Arm Cable Length     | 5m (Customizable, up to 8m)   |       |
| Teach Pendant Cable Length | 4m  |       |
| Power Cable Length         | 5m  |       |
| Communication Protocols    | Ethernet, ModBus-RTU/TCP, Profinet, Ethernet/IP (Optional)                    |       |
| Interfaces & Openness      | SDK (C/C++/C#/Lua/Python/JavaScript Windows + Linux), supporting ROS/ROS2, AP |       |
| Power Supply               | 115/230VAC, 50/60Hz   |       |
| IP Classification          | IP43  |       |



### I/O Interfaces

| I/O Interfaces      | Control Cabinet                         | Tool End |
|---------------------|---|----------|
| Digital Input       | 16(Standard),16(Configurable)/8(Safety) | -        |
| Digital Output      | 16(Standard),16(Configurable)/8(Safety) | -        |
| Analog Input        | 2                                       | -        |
| Analog Output       | 2                                       | -        |
| RS485 Communication | 2                                       | -        |
| I/O Power           |   |          |
| Output Voltage      | 24V                                     | -        |
| Output Current      | 3A Max                                  | -        |

### Teach Pendant

|                    |                      |
|--------------------|----------------------|
| Product Model      | AUBO-TP-IS           |
| Dimensions (L*H*W) | 254mm*213.1mm*40.8mm |
| Weight             | 1.0kg                |
| IP Classification  | IP54                 |
| Color              | Orange + Black       |



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