





JAKA Zu® 12 Cobot

-  **Weight : 41 kg**
-  **Loading : 12 kg**
-  **Working radius : 1327 mm**
-  **Repeatability : ±0.03 mm**

Product Features

- High payload and Major radius
- High-strength applications
- High Cost-Effective

Recommended Markets

Metal processing , Injection molding ,
Automotive and related , Medical equipment



Wireless connection
No need of traditional
teaching device



Safety collaboration
Built-in torque
feedback detection



Graphic programming
Easy use for zero basis



Open Cooperation
Compatible with ROS
operating system



Integrated Joints
Easy to disassemble
and transport

Technical Parameter

Character

| | |
|--------------------------------|---|
| Payload | 12kg |
| Weight (W cable) | 41kg |
| Work radius | 1327mm |
| Repeatability | ±0.03mm |
| Axis | 6 |
| Programming | graphical programming, free-drive |
| Teach pendant | MT (PAD/Mobile) APP |
| Collaborative operation | Accordance with GB11291.1-2011 |
| Power | 500W |
| Temperature range | 0-50°C |
| IP Specification | IP54 |
| Installation | Installation at any Angle |
| Tool I/O | Digital input 2 Digital output 2 Analog input 1 |
| Tool I/O power | 24V |
| base diameter | 188mm |
| Materials | aluminum, PP |
| Tool I/O size | M6 |
| Cable length | 6 m |

Scope and speed *

| Robot | Work scope | Max speed |
|------------------|-------------|-----------|
| Joint 1 | ±270° | 120°/s |
| Joint 2 | -85°, +265° | 120°/s |
| Joint 3 | ±175° | 120°/s |
| Joint 4 | -85°, +265° | 180°/s |
| Joint 5 | ±270° | 180°/s |
| Joint 6 | ±270° | 180°/s |
| Max speed | / | 3m/s |

*When moving within the joint limit, interference may occur due to end tools or installation environment. Please determine the range of motion according to the actual situation.

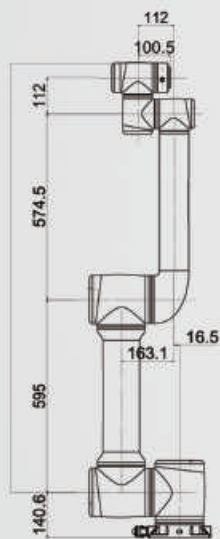


Control Cabinet

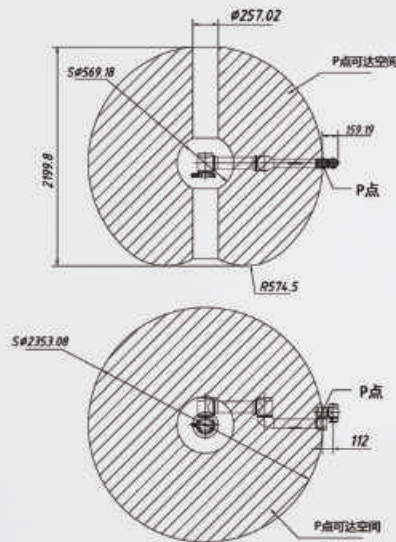
| | |
|-------------------------|--|
| IP Specification | IP20 |
| Tool I/O | 16 Digital input/16 Digital output /2 Analog input or output |
| I/O Power | 24V |
| communication | TCP/IP, MODBUS TCP/RTU |
| power | 100-240VAC, 50-60Hz |
| size | 400×230×260(mm) (W×H×D) |
| weight | 15.5kg |
| material | Stainless steel |



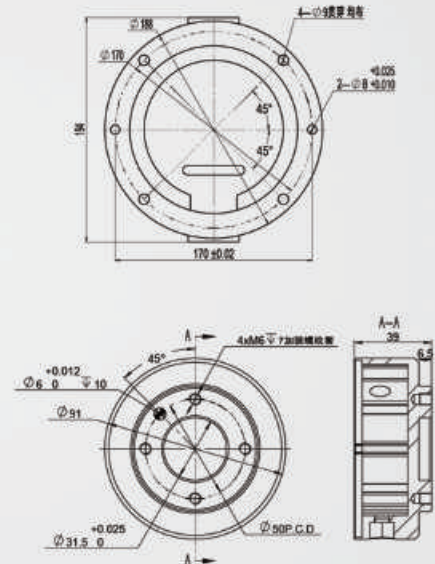
JAKA Zu 12 Layout



JAKA Zu 12 work radius



JAKA Zu 12 P point front view / top view



JAKA Zu 12 base / flange

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