

JAKA



JAKA Mini Series

Flexibly suited for tight spaces



Compact Size, Flexible Deployment

JAKA Mini series robots weigh <10kg, enabling easy deployment in tight spaces; quick setup and start within 2 minutes.



Smart Connectivity, Wireless Teaching

First in wireless teaching, control via JAKA Zu APP; supports graphical and drag-and-drop programming, simple and easy to use.



Precise Positioning, Reliable Stability

Repeat positioning accuracy $\pm 0.1\text{mm}$, ideal for various industrial applications, ensuring precise, stable, and reliable automation.



Safe Collaboration, Human-Machine Integration

Built-in torque feedback, multiple safety mechanisms, enabling safe human-robot collaboration



Application Scenarios



JAKA Mini Series



| Product features | Parameter | JAKA MiniCobo | JAKA Mini 2 |
|-------------------------|-------------------------------|-------------------------------------------------------|------------------------|
| | Payload | 1 kg (2.21 lb) | 2 kg (4.41 lb) |
| | Weight (including cables) | 9.4 kg (20.73 lb) | 9.9 kg (21.83 lb) |
| | Reach | 580 mm (22.83 in) | 580 mm (22.83 in) |
| | Repeatability | ±0.1 mm (±0.003937 in) | ±0.1 mm (±0.003937 in) |
| | Degree of freedom | 6 | |
| | Programming | Graphical programming, free-drive | |
| | Demonstrator type | Mobile terminal (computer/pad/mobile phone) | |
| | Collaborative operation | Collaborative operation as ISO 10218-1: 2011 | |
| Working range and speed | Joint | Range of action | |
| | Joint 1 | ±360° | |
| | Joint 2 | ±125° | |
| | Joint 3 | ±130° | |
| | Joint 4 | ±360° | |
| | Joint 5 | ±120° | |
| | Joint 6 | ±360° | |
| | Typical TCP speed | 1 m/s (3.28 ft/s) | |
| Specifications | Typical consumption | 150W | 180W |
| | Rated voltage | 24VDC | 48VDC |
| | Temperature range | 0-50°C | 0-50°C |
| | IP classification | IP40 | IP40 |
| | Installation | At any angle | |
| | Tool I/O | 2 Digital inputs | |
| | | 2 Digital outputs | |
| | | 2 Analog input | |
| | Tool I/O power | 24VDC | |
| | Tool I/O size | M8 | |
| | Materials | Aluminum, PC | |
| | Footprint | 124 mm (4.88 in) | |
| | Robot connection cable length | 6 m (236 in) | |
| MiniCab cabinet | Power input | 20-60VDC | |
| | Current | ≤40A | |
| | Size | 180×128×47 mm (L×W×H) | |
| | IP classification | IP20 | |
| | I/O | 7 Digital input: I/O configurable | |
| | I/O Power | 24VDC | |
| | Installation | Panel/Guide Rail | |
| | Communication mode | TCP/IP, Modbus TCP, Modbus RTU, Profinet, Ethernet/IP | |
| | Weight | 1.1 kg (2.43 lb) | |
| | Material | Alumminum, Steel | |