

# JAKA



## JAKA Mini Series

**Space-Saving Robots for Any Industry**



## Compact Size, Flexible Deployment

JAKA Mini series collaborative robots weigh under 10kg, allowing for easy deployment in tight spaces - up and running in just 2 minutes.

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## Smart Connectivity, Wireless Teaching

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

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## Precise Positioning, Reliable Stability

Repeat positioning accuracy of  $\pm 0.1\text{mm}$  — ideal for a wide range of industrial applications, ensuring precise, stable, and reliable automation.

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## Safe Interaction and Human-Machine Integration

Built-in torque feedback and multiple safety mechanisms enable safe and reliable human-robot collaboration.

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# Application Scenarios





# JAKA Mini Series



| Product features | Parameters                | JAKA MiniCobo                                                    | JAKA Mini 2 |
|------------------|---------------------------|------------------------------------------------------------------|-------------|
|                  | Maximum payload           | 1 kg                                                             | 2 kg        |
|                  | Weight (incl. cables)     | 9.4 kg                                                           | 9.9 kg      |
|                  | Reach                     | 580 mm                                                           | 580 mm      |
|                  | Accuracy                  | ±0.1 mm                                                          | ±0.1 mm     |
|                  | Number of axis            | 6                                                                |             |
|                  | Programming               | Graphical programming, drag and teach, SRCI, offline programming |             |
|                  | Teach pendant             | Mobile terminal (computer/pad/mobile phone)                      |             |
|                  | Collaborative operation   | Collaborative operation as ISO 10218-1: 2011                     |             |
| Movement         | Robot joint               | Working range                                                    |             |
|                  | Joint 1                   | ±360°                                                            |             |
|                  | Joint 2                   | ±125°                                                            |             |
|                  | Joint 3                   | ±130°                                                            |             |
|                  | Joint 4                   | ±360°                                                            |             |
|                  | Joint 5                   | ±120°                                                            |             |
|                  | Joint 6                   | ±360°                                                            |             |
|                  | Typical TCP speed         | 1 m/s                                                            |             |
| Specifications   | Nominal power consumption | 150 W                                                            | 180 W       |
|                  | Rated voltage             | 24 V DC                                                          | 48 V DC     |
|                  | Operating temperature     | 0-50°C                                                           | 0-50°C      |
|                  | IP classification         | IP40                                                             | IP40        |
|                  | Robot mounting angle      | Any orientation                                                  |             |
|                  | Tool I/O interface        | 2 digital inputs                                                 |             |
|                  |                           | 2 digital outputs                                                |             |
|                  |                           | 2 analog inputs                                                  |             |
|                  | Tool I/O power            | 24 V DC                                                          |             |
|                  | Tool I/O size             | M8                                                               |             |
|                  | Materials                 | Aluminum, PC                                                     |             |
|                  | Base diameter             | 124 mm                                                           |             |
|                  | Cable length              | 6 m                                                              |             |
| MiniCab cabinet  | Power input               | 20-60 V DC                                                       |             |
|                  | I-Out                     | ≤40 A                                                            |             |
|                  | Size                      | 180×128×47 mm (L×W×H)                                            |             |
|                  | IP classification         | IP20                                                             |             |
|                  | I/O                       | 7 digital inputs; I/O configurable                               |             |
|                  | I/O Power                 | 24 V DC                                                          |             |
|                  | Installation              | Panel/Guide Rail                                                 |             |
|                  | Communication             | TCP/IP, Modbus TCP, Modbus RTU, Profinet, Ethernet/IP            |             |
|                  | Weight                    | 1.1 kg                                                           |             |
|                  | Material                  | Aluminum, Steel                                                  |             |