



JAKA official account



JAKA OTA mini program

jakarobotics.com | 🔍

JAKA®

Just Always Keep Amazing

Global Leader in Flexible Intelligent Robots

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JAKA®

Global Leader in Flexible Intelligent Robots



Mission

Freeing hands with robots

Vision

Popularize our JAKA cobot to every corner of the world

Values

Struggle, unity, responsibility, persist in gratitude

JAKA®

Practitioner / Innovator / Leader



2014

JAKA Robotics was founded by a group of engineers and roboticists



We hope that the robot business we are engaged in can be successful, and we also know that we need to search up and down in the forward journey, so we named it JAKA. In English, JAKA stands for Just Always Keep Amazing.



JAKA Cobot

Is a high-tech enterprise focusing on the innovative research and development of a new generation of collaborative robot bodies and smart factories.



With the mission of freeing hands with robots, it is our unremitting pursuit to transform robots from professional equipment into simple and easy-to-use tools, and then popularize to every corner of the world.



300+ Partners



JAKA Robotics has cooperated closely with more than 300 excellent automation solution companies all over the world. To date, we have deployed over 10,000 cobot arms worldwide.

They flexibly and efficiently serve the production lines of world-renowned brands in industries such as automobile, electronics & semiconductors, and are also engaged with consumers in many new commercial consumption fields.



Development Model

Create a closed-loop, circular high-speed business development model from products, applications, and markets.

Best practice of industry

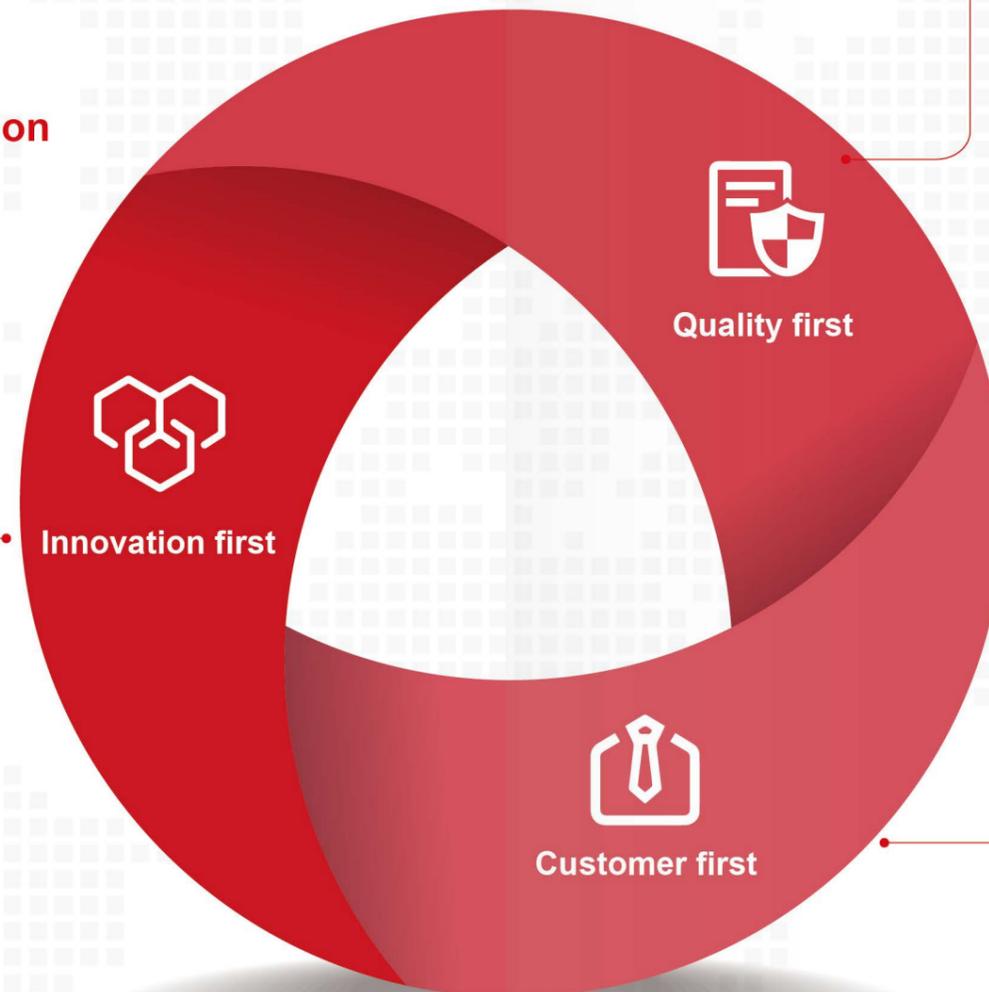
The annual productivity of robots is 50,000 units

Comprehensive industry authority certification

- Company system certification: 140001, 9001
- Product: CE, RoHS, CR
- Safety certification: ISO 15066, ISO 13849
- Quality: MTBF 5Wh, ISO 9238
- Application scenarios: SEMI, cleanliness certification



Innovative technology



Strict

material control

- Mechanical parts
- Strict dimensional and visual inspection
- Electrical device
- 100% pass electrical inspection and testing

Stric

joint and whole machine testing

- Strict process inspection in joint production process
- Accuracy test performed after the whole machine
- Each laser tracking calibration after the load is running

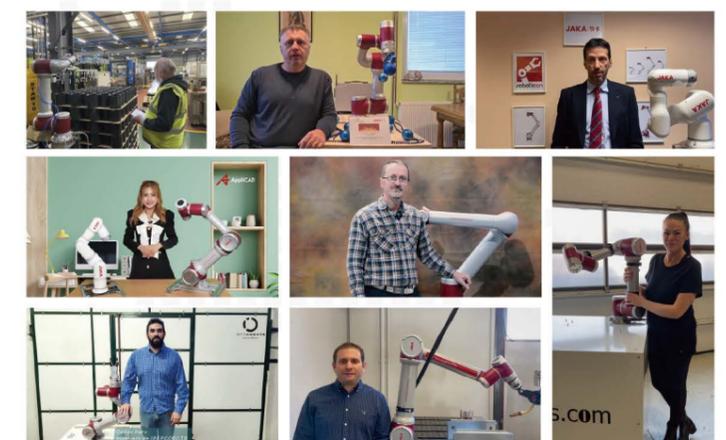
Strictly

factory standards requirements control

- Strictly control the factory standard according to the requirements
- Multi-functional and all-round whole machine testing such as silent room, high temperature room, water spray test room, etc., to escort the factory quality



Trust from customers around the world



JAKA®

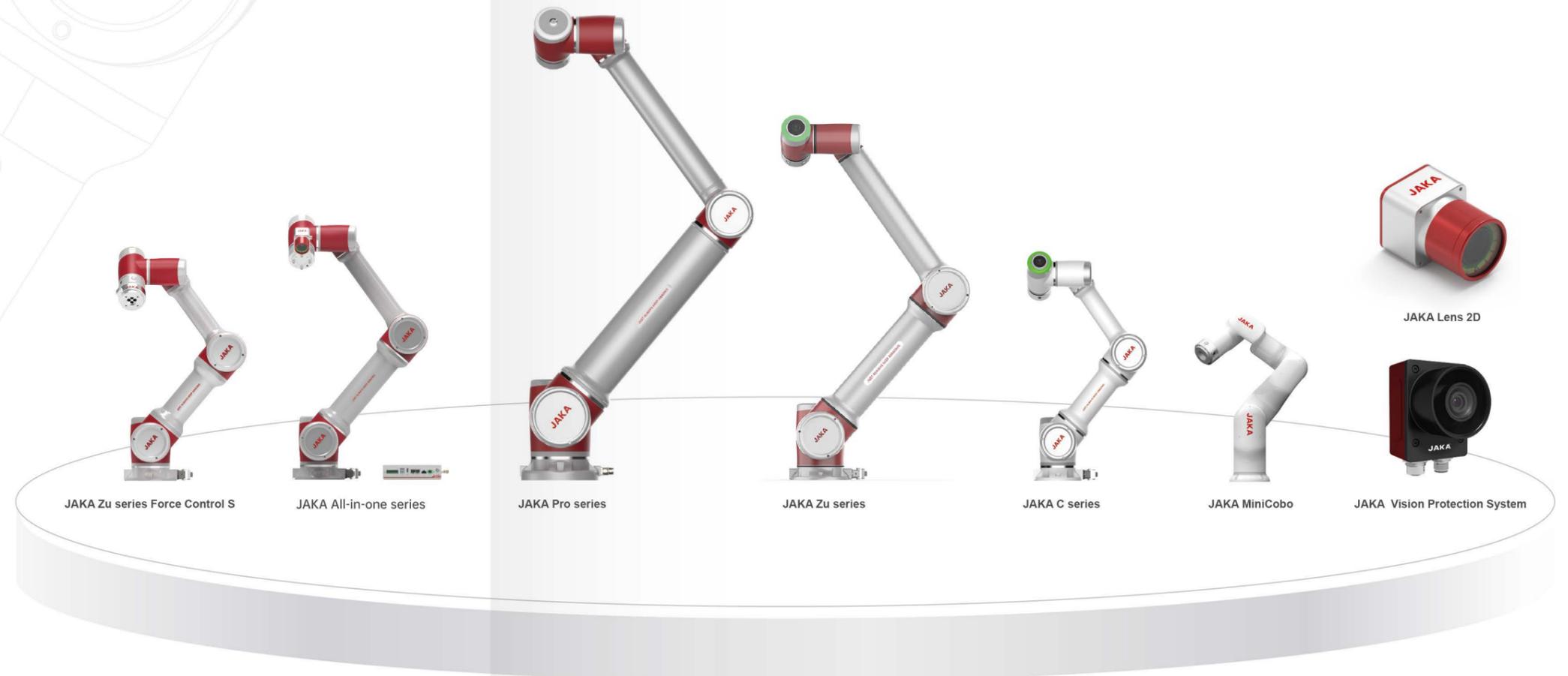
Product Matrix



 Ease of Use	 Security
 Reliability	 Compatibility

Flexible • Intelligence

Covering the whole industry
to meet the needs of different application scenarios



JAKA Zu series Force Control S

JAKA All-in-one series

JAKA Pro series

JAKA Zu series

JAKA C series

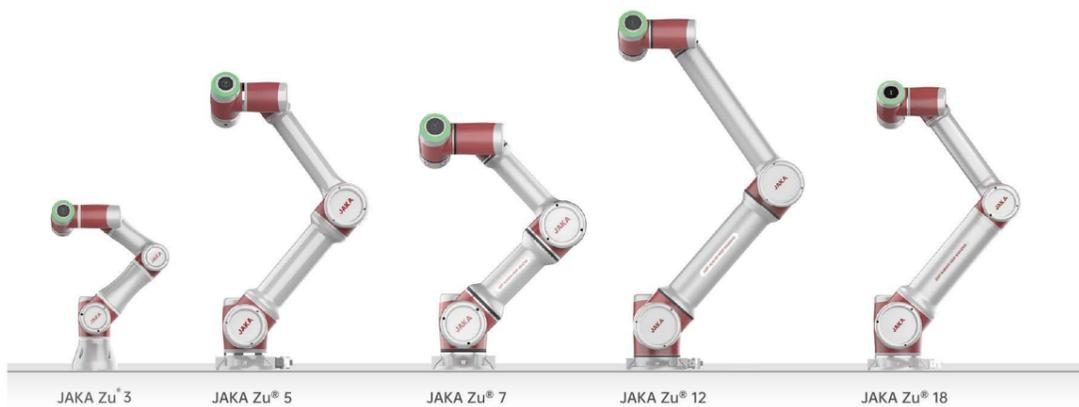
JAKA MiniCobo

JAKA Vision Protection System

JAKA Lens 2D

JAKA Zu series cobots

- 
Standardization
 Plug and play, convenient deployment, flexible production
- 
Intelligent
 Flexible and intelligent, easy to operate, efficient collaboration
- 
Specialization
 Meet the needs of reliable operations in high-precision collaboration scenarios



JAKA Zu series cobots Force Control S

- 
Integrity
 End stiffness decoupling, flexible traction teaching
- 
Ease of use
 App configuration is simple
 Real-time force value display
- 
Practicality
 Various force control modes
 Constant force accuracy
- 
Safety
 Full-arm collision detection
 Self-learning monitoring



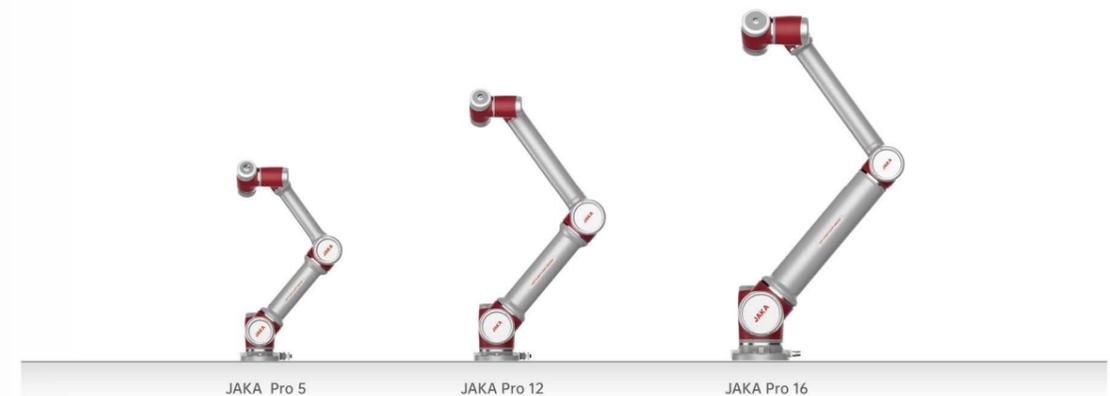
JAKA All-in-one Inclusion series cobots

- 
Extremely Wise
 Embedded vision system for proprioceptive perception
- 
Extremely Simple
 App/web interface, drag-and-drop programming
- 
Extremely Small
 Integrated, compact body



JAKA Pro series cobots

- 
More Reliable
 Industry's highest IP68 protection level, no fear of oil and dust
- 
More Stable
 High-precision maintenance
 Worry-free collaborative production
- 
More Efficient
 Fast and intelligent operation integrates
 Multiple mechanisms for safe integration



JAKA C series cobot

ECO

Comprehensive performance

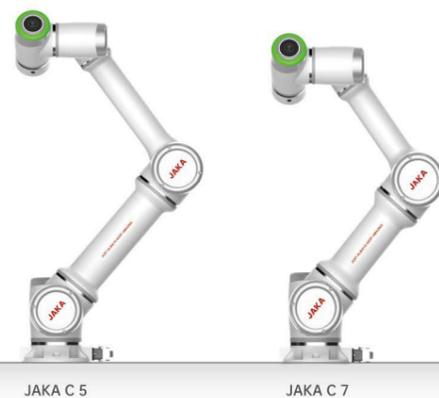
Meet the needs of most industrial application scenarios
Stable and reliable

Simple maintenance

Low-cost, maintenance-free performance with less worry
Cost-effective

Easy to deploy

Inheritance card smart programming
Wireless teaching system
Safe and efficient



JAKA MiniCobo

Commercial

Cost-effective

Lightweight

The JAKA MiniCobo robot adopts an intelligent control and drive control module, which has both lightweight design and superior product performance. At the same time, the rich secondary development interface creates infinite possibilities for the development of more scenarios.

The JAKA MiniCobo has small and round appearance, simple and intuitive operation, almost no noise and good performance. The JAKA MiniCobo has been widely used in consumption, service, education, new retail, and other fields.



JAKA Lens 2D



Flexible and convenient

Optional lens installation
Flexible adaptation to various scenarios

Customizable

Drag-and-drop process programming
Various functions are freely matched

High integration

Software and hardware integration
Easy and fast deployment

Lens 2D parameter	Lens 2D CGC500-F08	Lens 2D CGC500-F16
Resolution	2592×1944	2592×1944
Max frame rate	24fps	24fps
Data interface	Gige	Gige
Color mode	Black and white / color	Black and white / color
Lens focal length	8mm	16mm

JAKA Lens VPS



High reliability

Isolate external factors
The protection effect is stable and reliable

High performance

High speed combined with high storage capacity
Embedded acceleration engine configuration

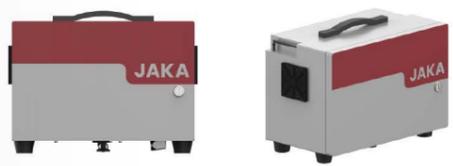
High convenience

No complicated software installation required
Browse the web for easy access

Visual parameters

Resolving power	830 w pixels
Response time	200 ms
Installation height	2.5 mm (suggested)
Scope of protection area	5 m*2.6 m (adjustable)
Installation mode	Directly above, side (any angle)

JAKA Robot Control Cabinet



High integration

Cover the operating requirements of full-load models

Universal and flexible

Rich IO and industrial communication interfaces

Intelligent interconnection

Fusion multi-network interconnection control module

CAB Cabinet

IP rating	IP44
Electric control cabinet/port	16 digital inputs, 16 digital outputs, 2 analog inputs or outputs
Electric control cabinet/power supply	24V
Communication standard	TCP/IP, Modbus TCP, Modbus RTU, Profinet, Ethernet/IP
Power supply	100-240VAC, 50-60Hz
Electric control cabinet size	410×307×235(mm) (W×H×D)
Weight	13 kg
Material	Plastic sprayed carbon steel plate



The industry's smallest robot controller, weighing only 1.1kg, supports wide-voltage DC input, adapts to multi-load models, integrates wireless network modules, and is suitable for mobile deployment.

MiniCab Cabinet

Input power	DC30-60V
Input current	≤40A
Electric control cabinet size	180×28×47(mm)(L×W×H)
IP rating	IP20
Electric control cabinet/port	7-way port; Input and output configurable
Electric control cabinet/power supply	DC24V
Installation method	Panel / guide rail
Communication standard	TCP/IP, Modbus TCP, Modbus RTU, Profinet, Ethernet/IP
Weight	About 1.7 kg (including accessories)
Material	Aluminum alloy, steel

JAKA OTA platform ensures stable operation

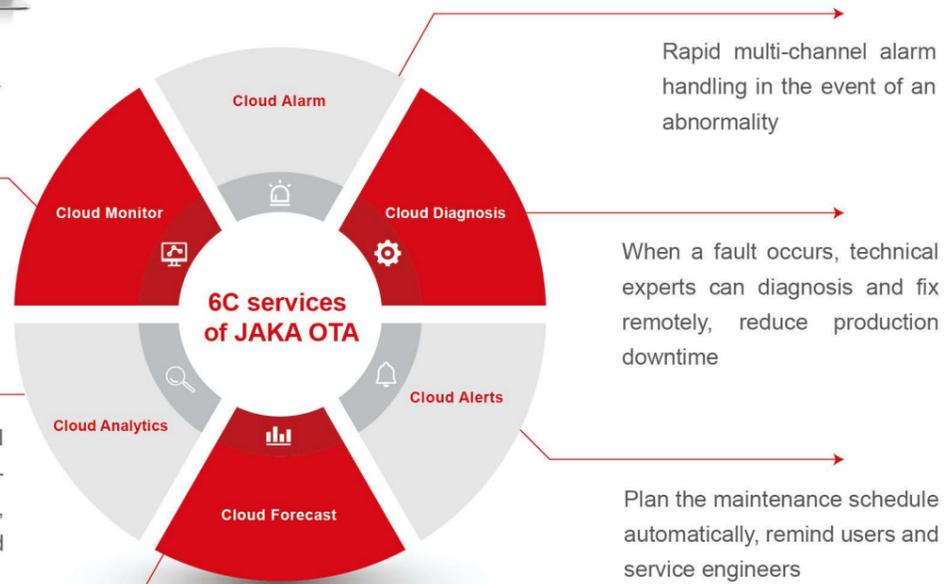


- JAKA OTA uses cutting-edge technologies such as the IoT, cloud computing, artificial intelligence and big data analysis to realize the efficient interconnection of people, equipment and services.
- The system connects the robot on the user's site at any time to master the status of the robot and give a real-time alarm. Collect store and analyze the operation data of the robot in the production process, and provide efficient remote service solutions.

Real-time monitoring of robot operation status and data

Generate robot operation analysis reports to support production decisions

Through big data analysis and AI self-learning, build predictive maintenance models, predict robot life, spare parts in advance, and avoid shutdowns



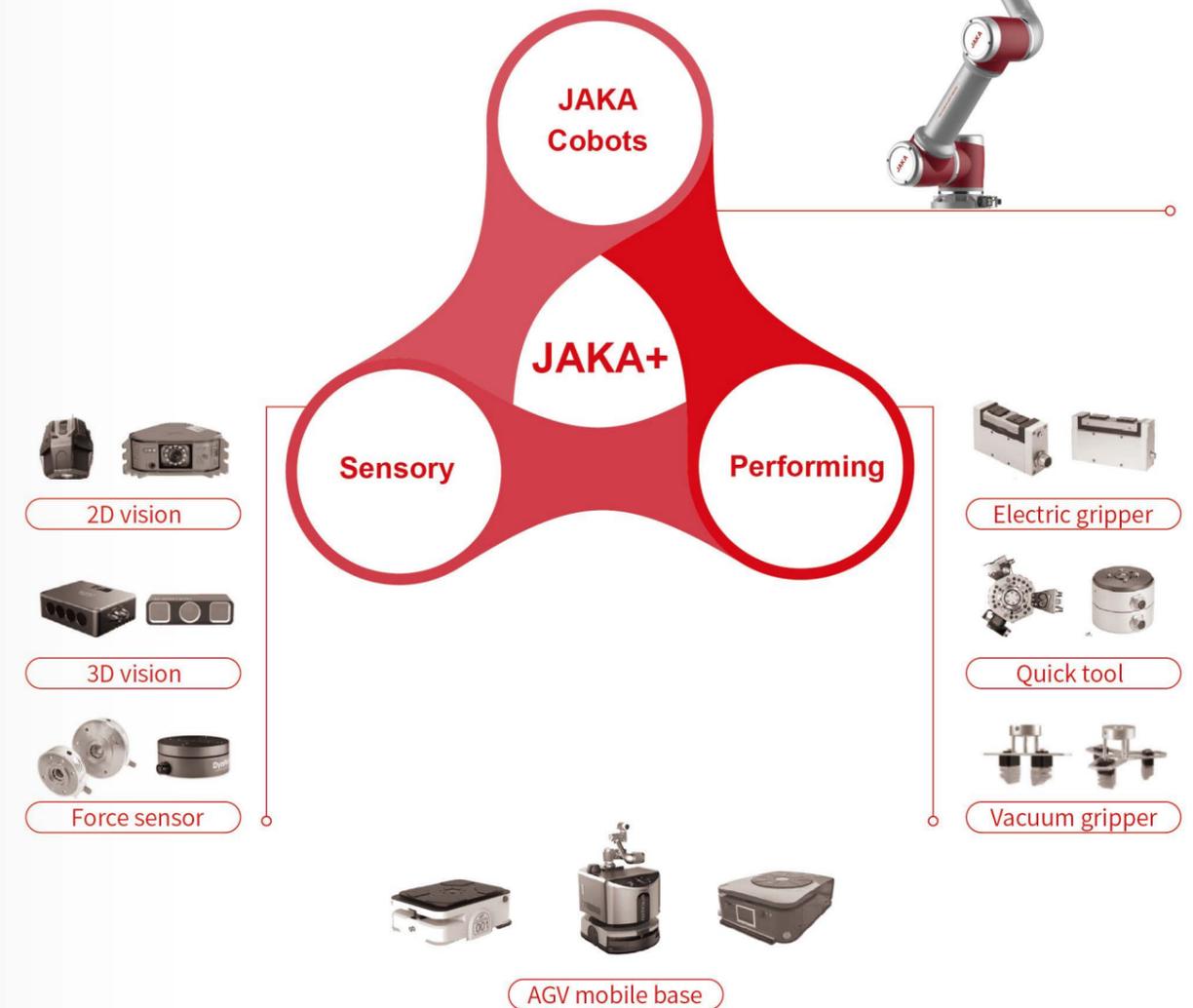
JAKA OTA mini program

The operation status of robots can be monitored at your fingertips



Win-win cooperation with JAKA+ ecosystem

- JAKA cobot and its partners jointly build the JAKA+ ecosystem
- Form an open, inclusive, mutually beneficial and win-win industrial ecosystem and create a complete ecological chain of collaborative robot applications
- On the basis of the JAKA cobot, develop more application types to meet customer needs



JAKA®

Industry-wide application solutions



- Automotive and Parts
- Electronics
- Semiconductor
- Precision Manufacturing
- Medical
- Electrical Appliance
- Food
- Chemical/New Energy
- New Business
- Education
- Kitchen
- Bathroom
- Power System
- Smart Agriculture
- New Scene
- Others



JAKA cobots widely used in

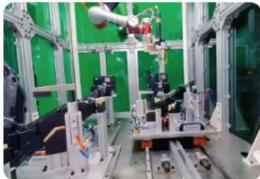
application scenarios related to automobiles and auto parts

Recommended use in:

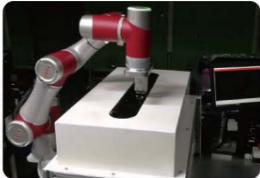
automotive small/general purpose components, automotive electronics/electrical components, body and exterior components, automotive interior components, automotive energy/power systems

- Car lamp dust**


- Headlight lock screw**


- New energy vehicle automatic charging pile**


- Car light guide bar detection**



- Engine lock screw**


- Motor automatic wire handling**



- Blinds pull rivets**


- Belt tension detection**



- Car battery water removal**


- Reducer handling**



- Seat tightening**


- Auto fastener stamping and unloading**



- Rearview mirror loading and unloading**

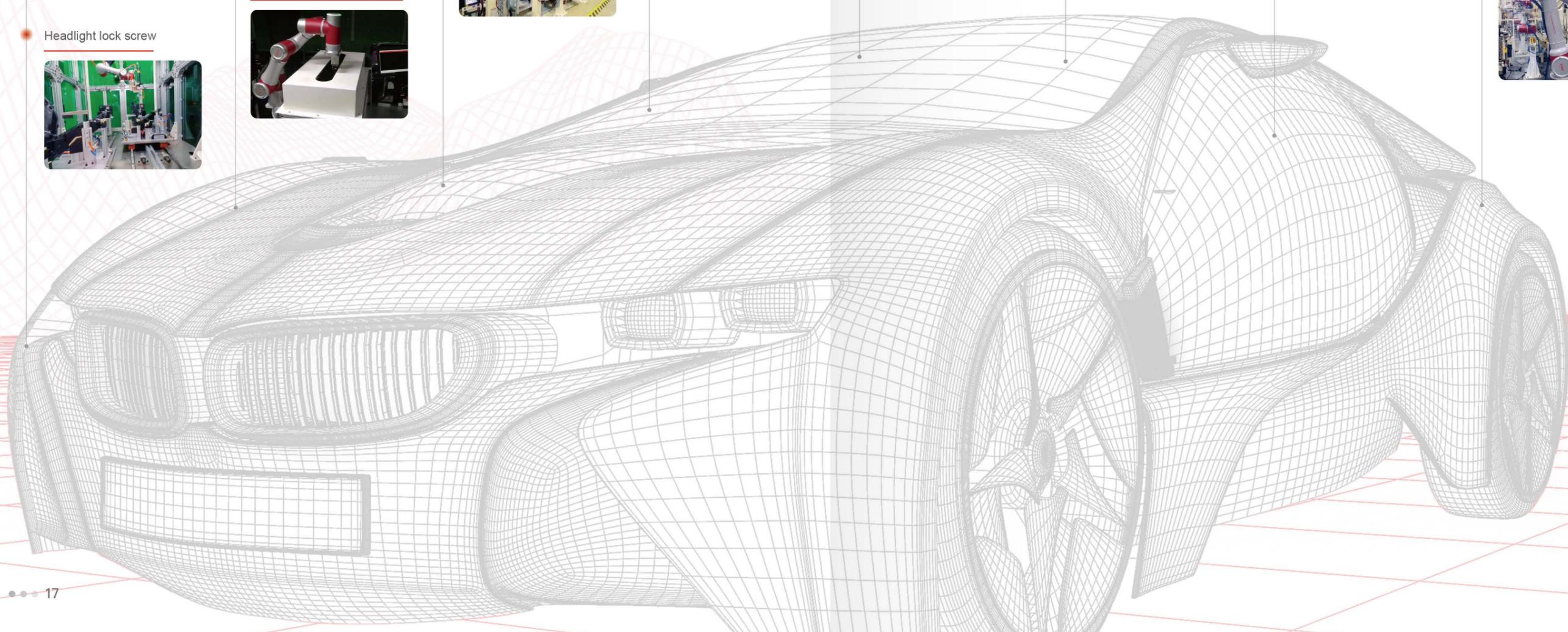

- Handle plate gluing machine loading and unloading**



- Exhaust system ram handling**


- Transmission parts loading and unloading**



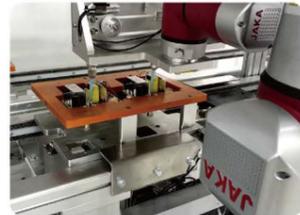


JAKA cobots widely used in

3C/semiconductor industry



Composite robot CNC loading and unloading



Power module coating



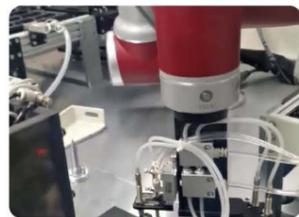
Scan code of product components



Soldering



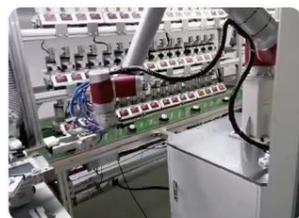
PCB programming detection



PCB visual handling



Buzzer detection



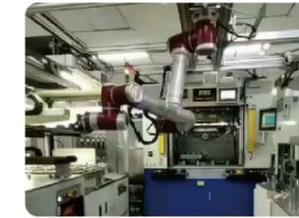
Product installation



3C product gluing



Smart watch detection



Semiconductor inspection



PCB glue



Adagio laser loading and unloading



Dispensing mobile phone case loading and unloading



Double arm 3C parts assembly



PCB board blanking



Sandblasting loading and unloading



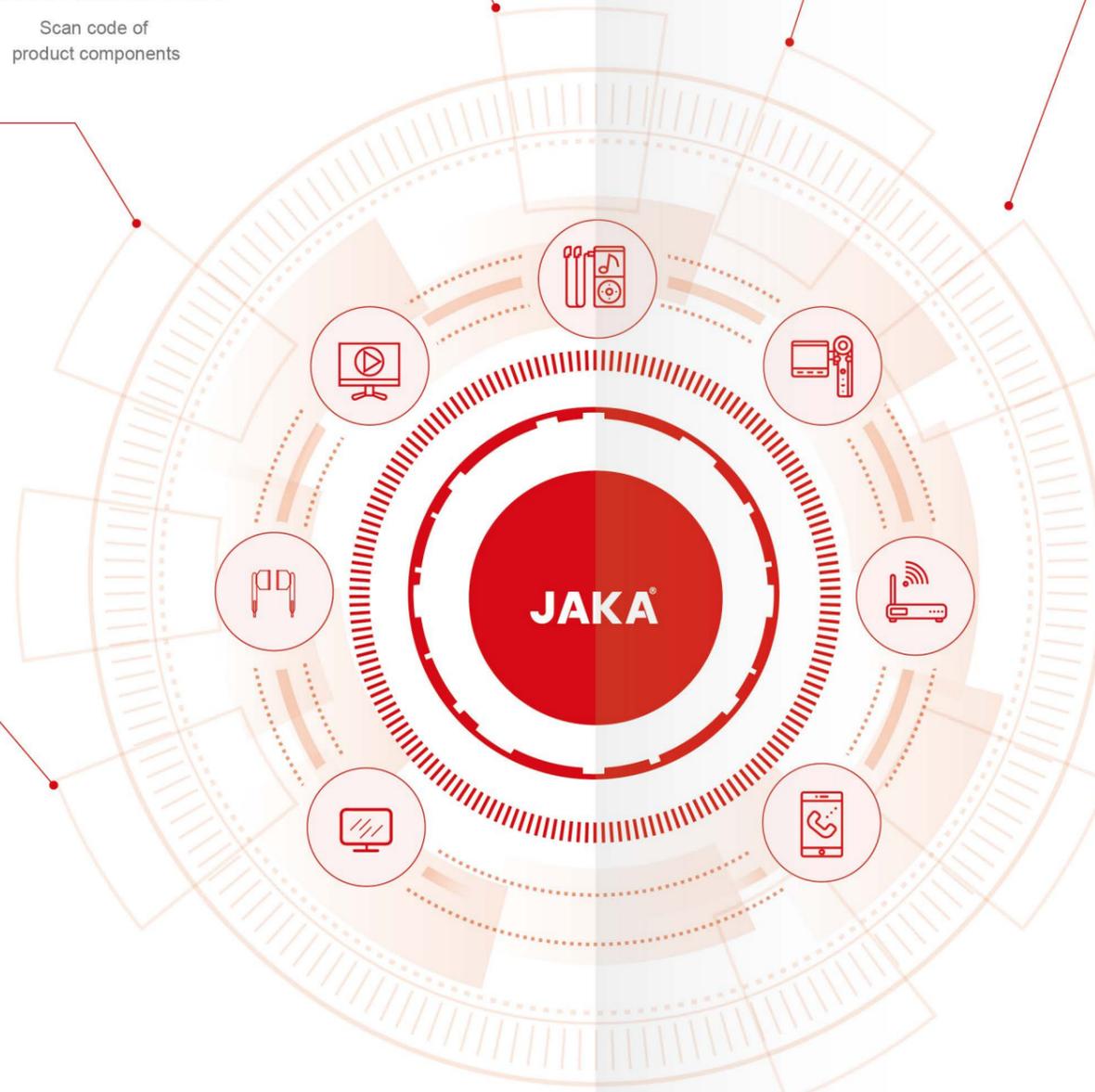
Flexo tear off loading



Mobile phone center gluing

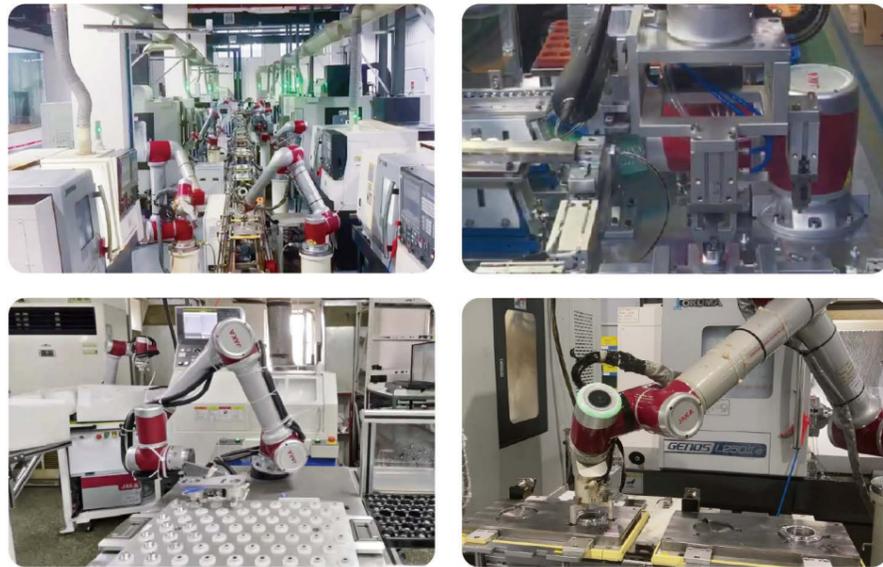


PCB board blanking

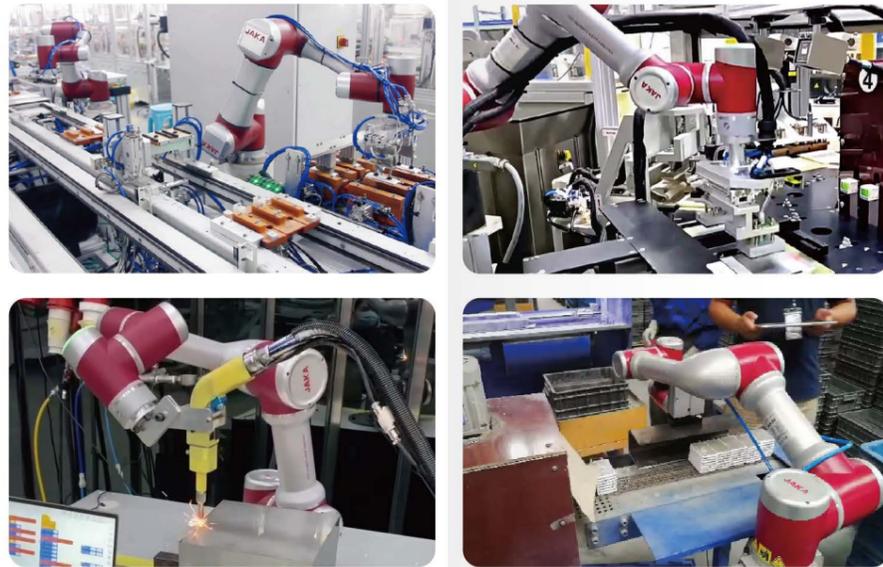


JAKA cobots widely used in
industrial, commercial and service

 Precision manufacturing



 New energy



 Electrical appliances



 Food



 Medical



 Service





JAKA[®]

Customer-first service concept



Service commitment



24/7 online support



Professional technical support



digital solutions



Full service tracking



High-level training in the industry



JAKA OTA mini program
intelligent customer service

JAKA S³ professional innovation service system



Industry high-level training academy

JAKA has its own training academy, which aims to create high-level training system in the robotics industry

JAKA Academy

Lifetime technical training

Online and offline flexible teaching

- ▶ Three training bases in Shanghai, Changzhou and Shenzhen
- ▶ Online e-training offered

Faculty

10,000+ Professional talents provided to society	500+ Cumulative training courses held
10+ Taught by professors and industry experts	10+ Doctoral professional lecturer team



Training system construction

