



JAKA official account



JAKA OTA mini program

jakarobotics.com | 🔍

JAKA®

Just Always Keep Amazing

Global Leader in Flexible Intelligent Robotics

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JAKA®

Global Leader in Flexible Intelligent Robotics



 **Mission**
Freeing hands with robots

 **Vision**
Promote JAKA collaborative robots in every corner of the world

 **Values**
Responsibility, Persistence, Unity and Gratitude

JAKA®

Expert / Innovator / Leader



2014

JAKA Robotics was founded by engineering experts in robotics.



With the thought that robotics can be for everyone and the hope of making a mark in the robotics industry is what drove us to name the company JAKA. In English, JAKA stands for Just Always Keep Amazing.



JAKA Cobot

JAKA is a high-tech enterprise focusing on innovative research and development for the next-generation collaborative robot technology.



The pursuit of our "Freeing hands with robots" mission pushes our brand to de-stigmatize robotics, simplifying to the maximum turning complex equipment into easy-to-use tools that anyone can use.



300+ Partners



JAKA Robotics currently cooperates with more than 300 automation solutions companies around the world to bring the right solution to our customers' needs. To this date, JAKA has deployed in excess of 10,000 cobots worldwide. The flexibility and efficiency of JAKA collaborative robots is now part of industrial lines in world-renowned industrial companies in sectors such as Automotive or Electronics & Semiconductors.



Development Model

We aim to create a closed-loop, high-speed circular business development model supporting markets with applications based on JAKA products.

Best practices in the industry

Comprehensive certification from industrial authorities

Company systems: ISO 14001, ISO 9001
 Product: CE, RUSP, CR
 Safety: ISO 15066, ISO 13849
 Quality: MTBF 8Wh, GB/T 39590.1-2020, GB/T 12642-2013
 Other certification: SEMI, cleanliness certification



Innovative technology



Highest
quality products

- Strict tolerance dimensional design
- High-performance mechanical parts
- 1st-grade electronics

Rigorous
joint and machine testing

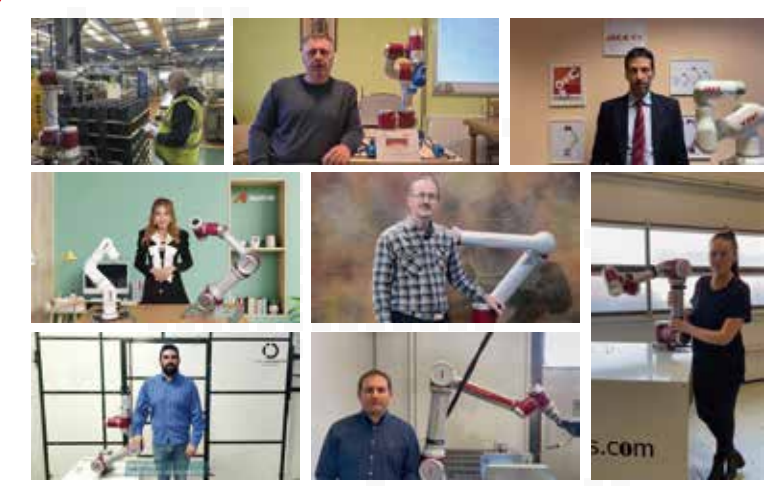
- Comprehensive electrical systems inspection and testing
- Dynamic joint testing
- Laser tracking calibration
- Full assembly accuracy testing

Advanced
manufacturing and assembly

- Strict factory standards and requirements
- Automated production
- Multi-environment quality control testing rigs and rooms



Trust from customers around the world



JAKA®

Product Matrix



Ease of Use



Security



Reliability



Compatibility

JUST ALWAYS KEEP AMAZING



JAKA Zu series Force Control S



JAKA All-in-one series



JAKA Pro series



JAKA Zu series



JAKA MiniCobo



JAKA Lens 2D



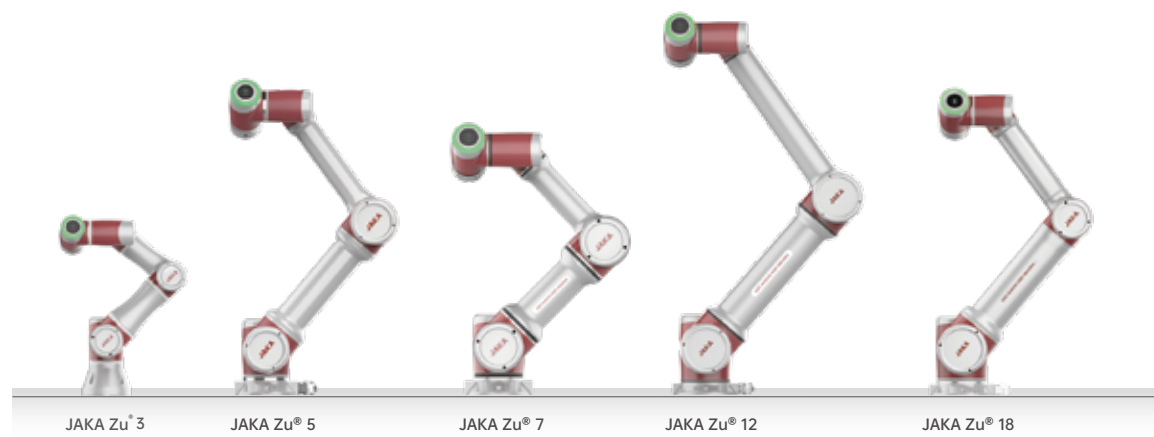
JAKA Vision Protection System

Flexible and Smart

Fulfills the requirements of all types of industrial solutions

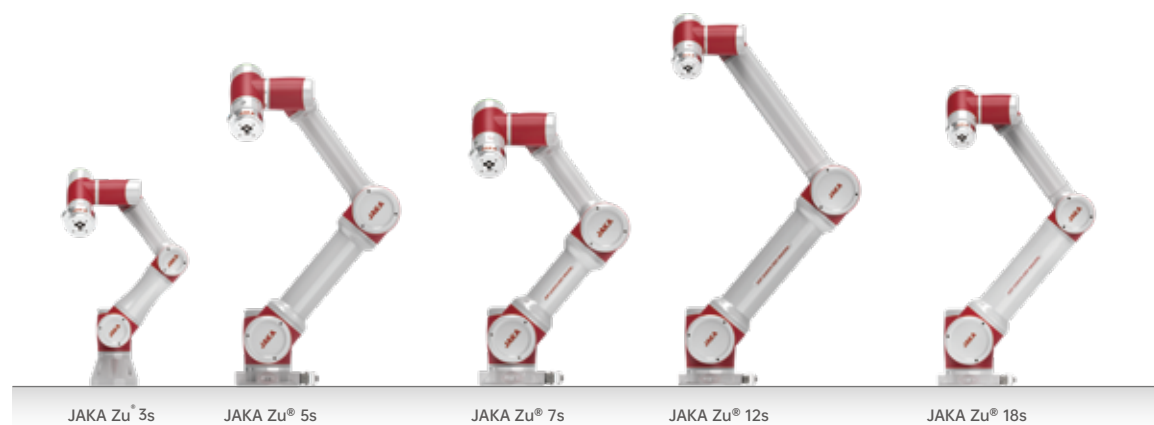
JAKA Zu Collaborative Robots

- Simplified**
Easy deployment, compact, and compatible with flexible productions
- Smart**
Easy to operate, easy to program and compatible with other devices
- Expert**
High-precision task repetition in any condition without failure



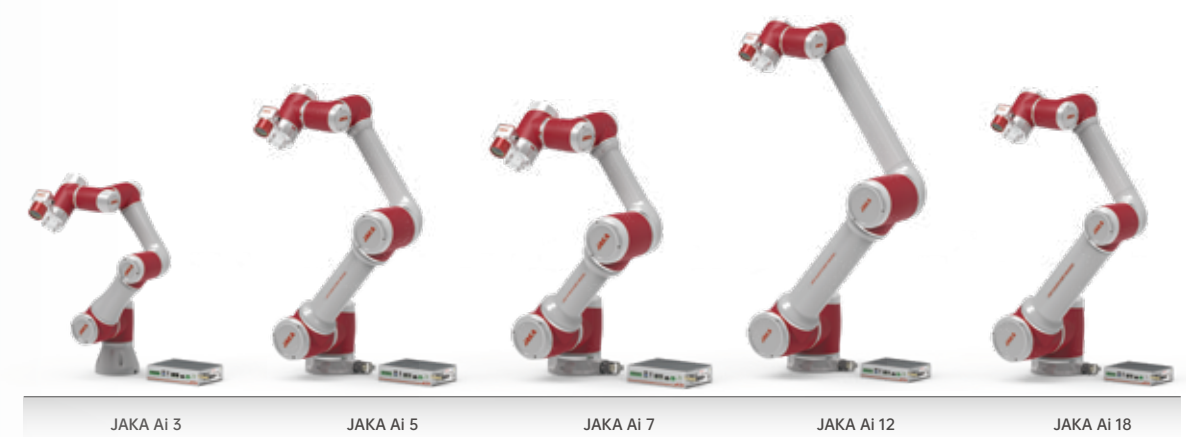
JAKA S Collaborative Robots

- Interactive**
Improves the "Drag & Teach" utility by unlocking the contact movement feature
- Delicate**
Constant force control availability with total precision on all types of irregular surfaces
- Simple**
Easy configuration with real-time force data display
- Safe**
Increased sensitivity against impacts improving safety functions



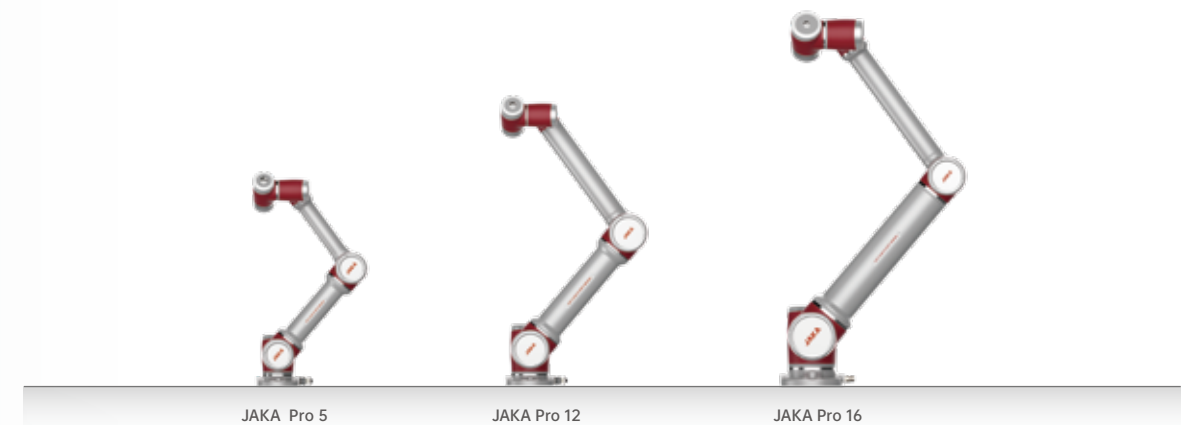
JAKA All-in-one Collaborative Robots

- Attentive**
Integrated vision system for environment perception
- Integrated**
Vision control and configuration interface part of JAKA software
- Compact**
Includes the smallest control box in the market



JAKA Pro Collaborative Robots

- Resistant**
IP68 degree of protection against dust and water ingress. The highest on the market
- Robust**
Maintenance No maintenance needed
- Versatile**
Opens up new automation possibilities that weren't available before



JAKA MiniCobo

Commercial

Economic

Light

The JAKA MiniCobo is small with a rounded profile that is striking and perfect for applications where aesthetic beauty is the main condition. The use of external cables is not necessary as it includes a communication port in which any tool end compatible with JAKA can be connected.

JAKA's MiniCobo model incorporates intelligent control algorithms in its drive control module giving the robot far superior performance and much lighter design to its competitors.

Its low-noise operation is perfect for applications in hospitality, education, new retail and services.



JAKA Lens 2D



Convenient

100% compatible with any JAKA collaborative robot

Customizable

Choose the camera with the LED light or a lens. Or all at once

Practical

Integration of the camera within the JAKA software without the need for external devices

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 confidence

Independent of other systems and capable of operating 24/7

High performance

High processing speed and data storage for greater security

Comfortable

Simple installation

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

Compatible with most industrial communication interfaces

Universal and flexible

Can be used with any JAKA robot model under any operation

Adjustable

Extended IO communication ports

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



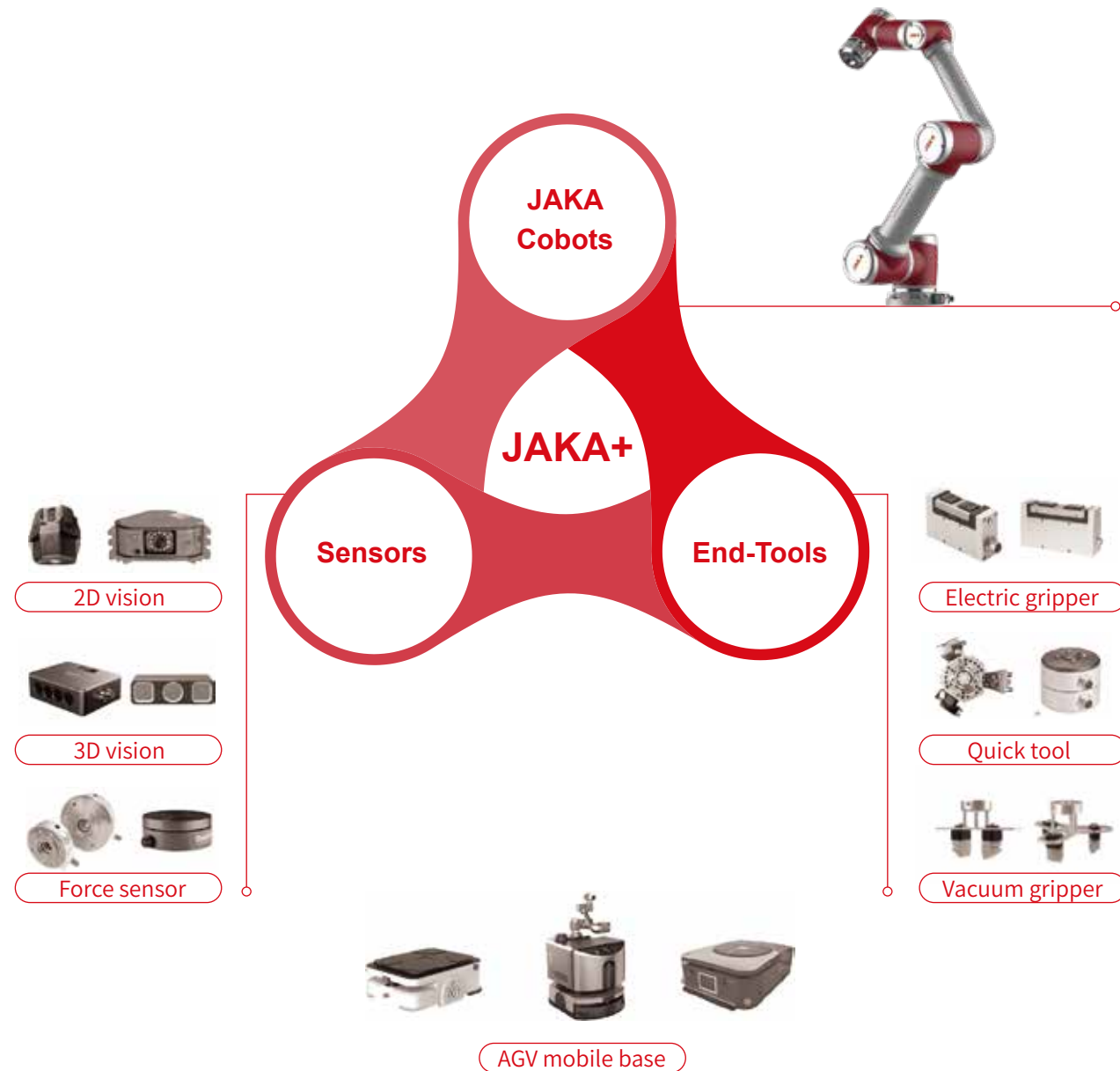
The smallest robot control box. With a mass of only 1.1kg, wide-voltage DC input support, can be used with most JAKA robot models and an integrated WiFi module makes it suitable for deployment in mobile solutions.

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+ Ecosystem built along industrial partners

- >>> A win-win industrial ecosystem designed to be open, inclusive and beneficial to all component manufacturers and JAKA partners worldwide
- >>> Facilitating the development of additional application cases based on JAKA robots



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 training

Faculty

10,000+users

10+

Doctoral professional lecturer team

500+training courses

Taught by professors and industry leaders



Training System



3
Modules

Product

To help you fully understand the performance and parameters of JAKA cobots, operate the robot with proficiency and learn how to program like the best.

Technique

Understand all the advanced characteristics of JAKA cobots to provide the most professional support for your deployment.

Solution

Support on the development of the best solution that works for you.

JAKA®

Industry-wide solutions



- Automotive and Parts
- Electronics
- Semiconductors
- Precision Manufacturing
- Medical
- Household Appliances
- Food & Beverage
- Chemical/New Energy
- New Business
- Education
- Hospitality
- General Manufacturing
- Utilities
- Agriculture
- Retail
- Other



JAKA robots widely used in Automotive and Autoparts industry

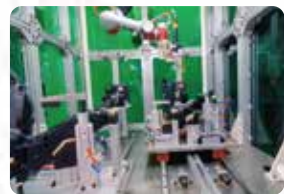
Recommended use:

Automotive electrical components, exterior and interior panels, power generation systems, lighting and other general components.

Car lamp de-dusting



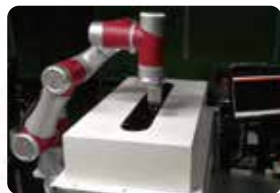
Headlight screwing



Electric vehicle charging



DRL guide strip testing



Engine block screwing



Electric motor handling



Window blinds riveting



Belt tension testing



Battery residue removal



Transmission case handling



Seat screw tightening



Ball-bearing press fitting machine loading



Rearview mirror machine loading



Trunk cover layers handling



Exhaust system handling



Transmission parts machine loading

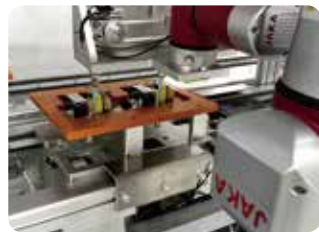


JAKA cobots widely used in

3C & Semiconductor sector



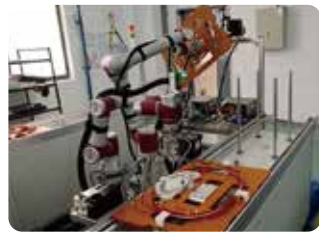
Hybrid robot CNC machine loading



Power module coating



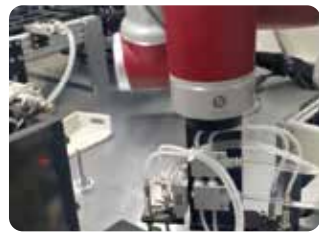
Code scanning in production



Soldering



PCB function testing



PCB visual handling



Buzzer detection



Product assembly



Gluing



Smartwatch function testing



Semiconductor fabrication inspection



PCB gluing



PCB handling



Mobile phone case gluing



Double cobot arm assembly



PCB board blanking



Sandblasting loading and unloading



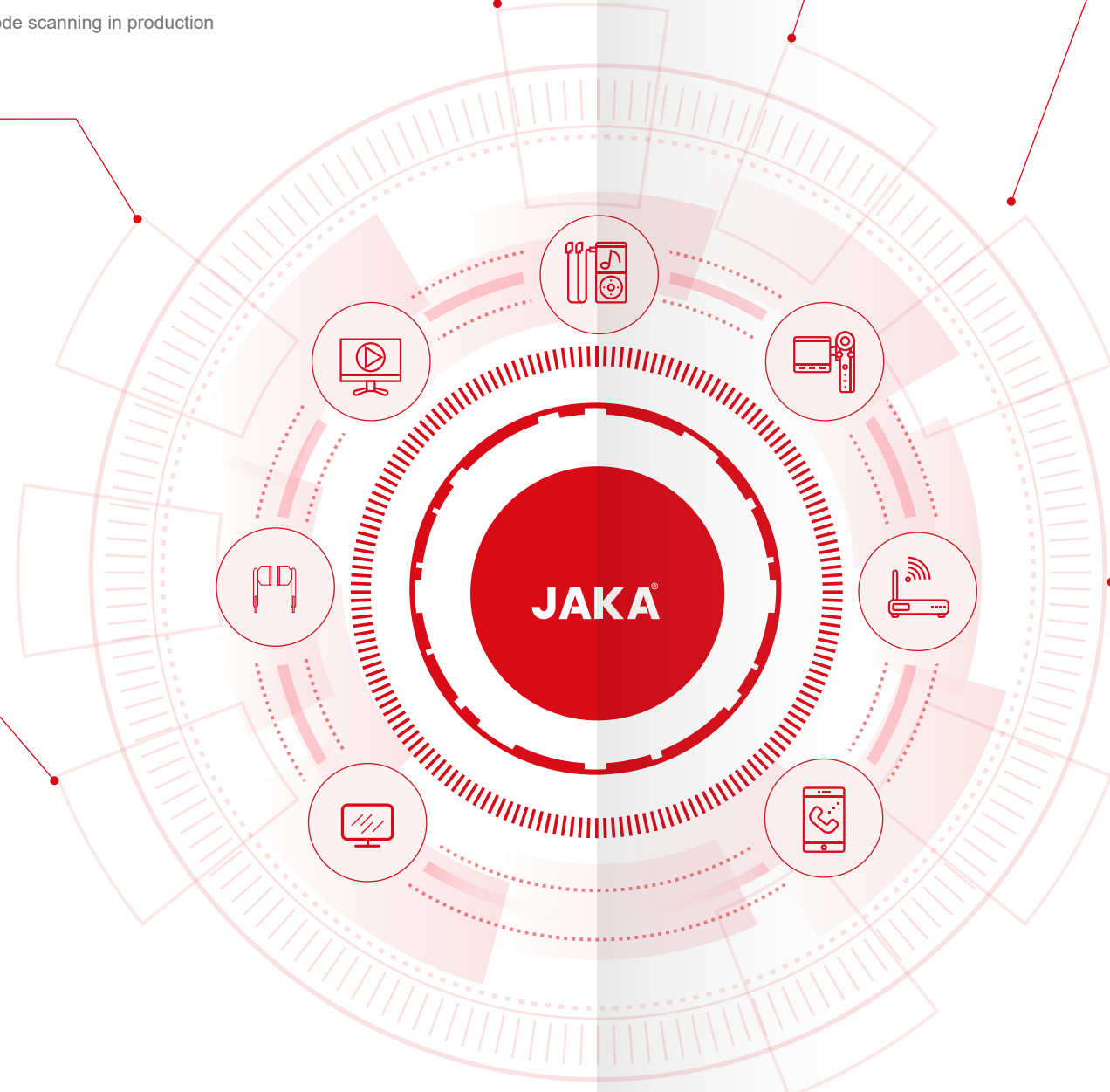
Tear-off film machine loading



Mobile phone component gluing




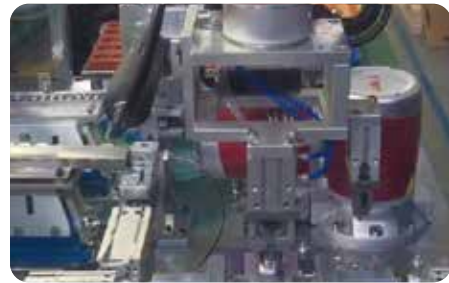
PCB board blanking



JAKA cobots widely used in

Various industries

 Precision manufacturing



 New energy



 Household appliances



 Food

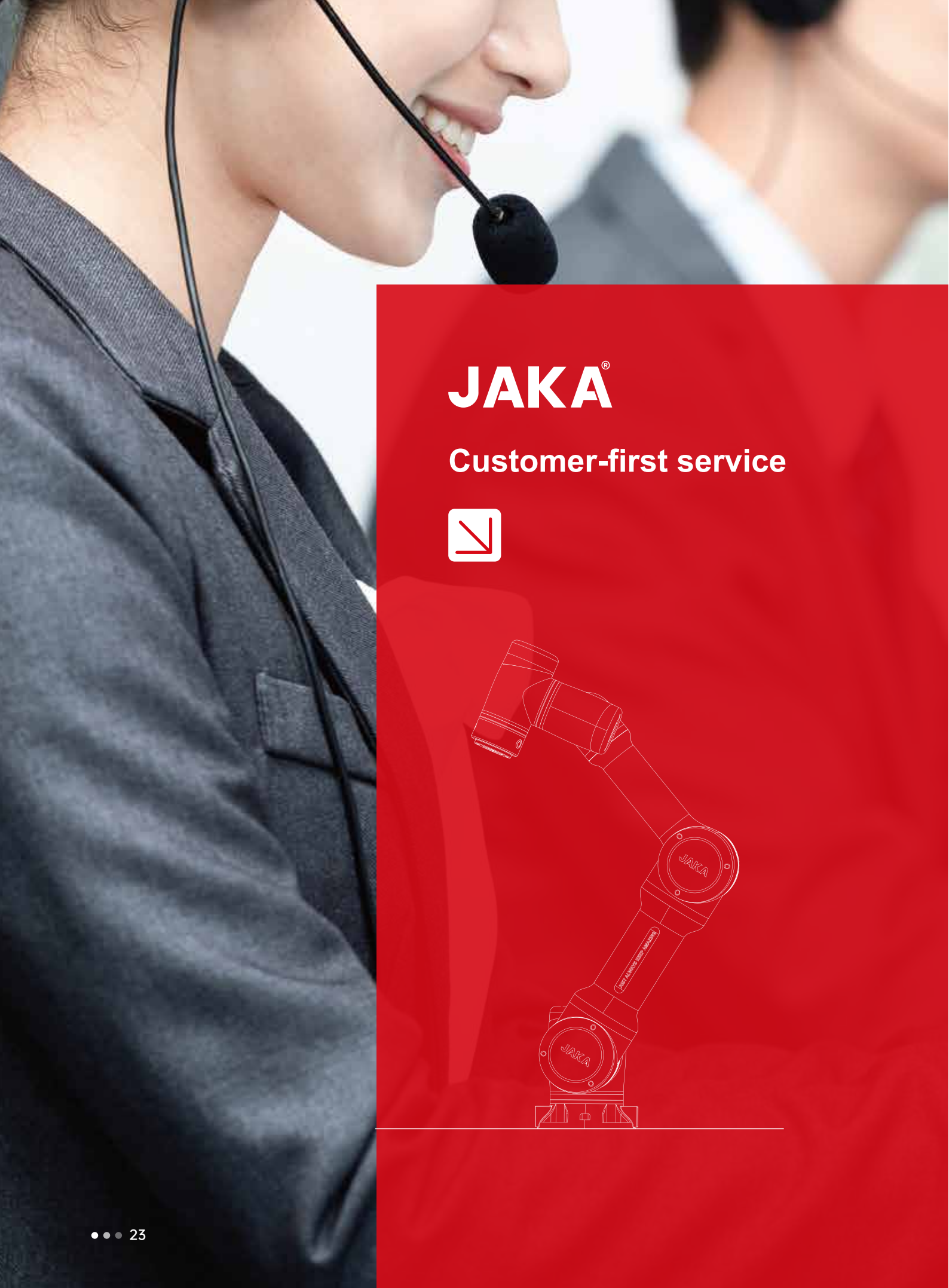


 Medical



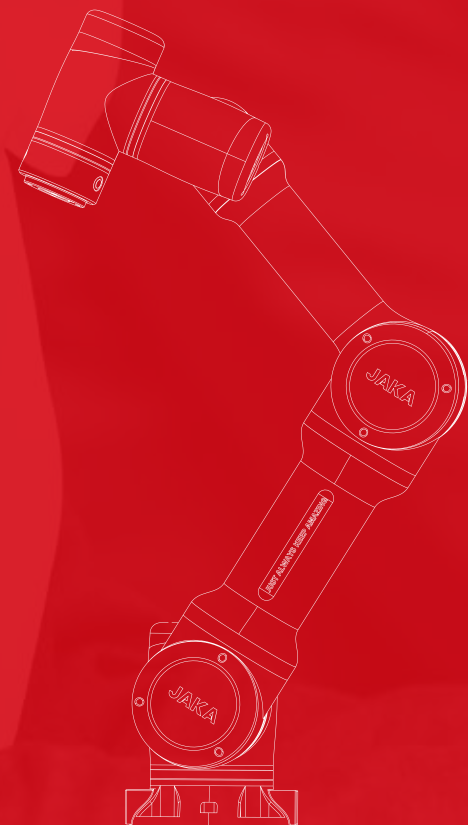
 Service





JAKA[®]

Customer-first service



Service commitment



24/7 online support



Professional technical support



Digital solutions



Full-cycle support



Highest quality training
