

A detailed image of an orange AUBO robotic arm, showing its joints and segments, positioned diagonally across the frame.

AUBO

Robotics

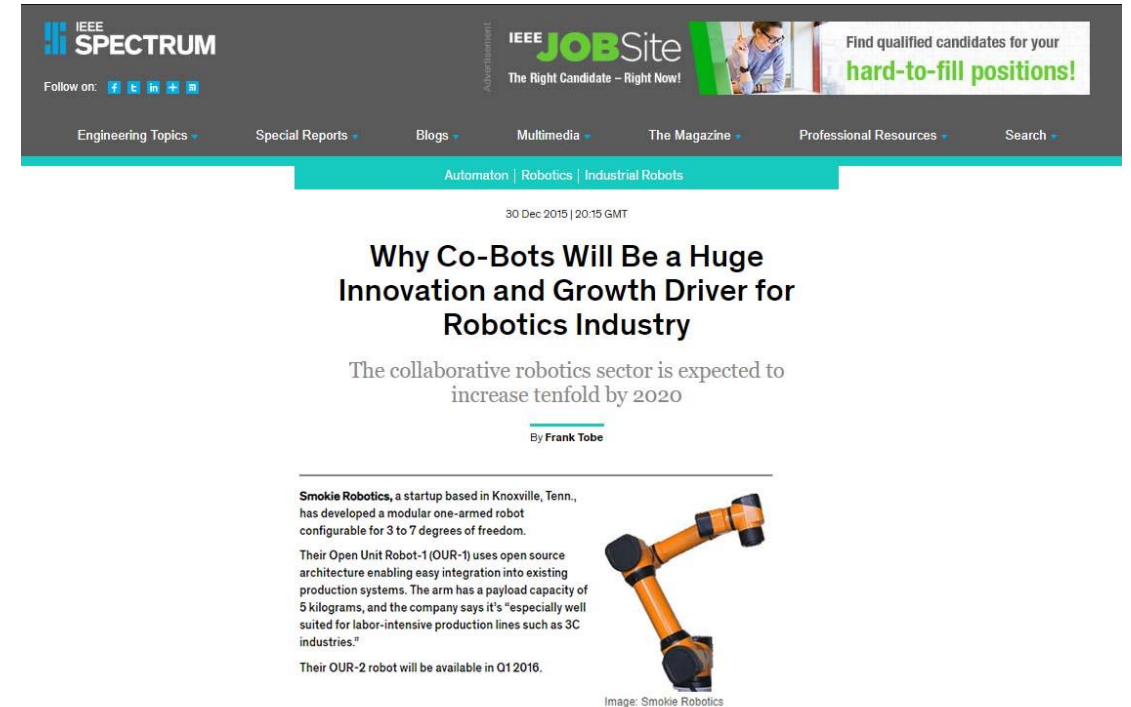
Collaboration Creates Future

About AUBO Robotics



AUBO Robotics manufactures lightweight collaborative robots. Founded in 2013 as Smokie Robotics, we had a name change in 2016 to AUBO Robotics. But AUBO Robotics started working on R&D in collaboration robots since 2009.

AUBO Robotics was developed in collaboration between two Ph.D. professors from USA and China, to make a lightweight intelligent collaborative robot.



AUBO Robotics was the only one in China named “The most innovative and growing collaborative robotics company” in the world by IEEE Spectrum in 2015.

AUBO Robotics also won “2018 IDC Global Collaborative Robot Innovator “.

Founder



Wei Hongxing Board
AUBO Robotics - President

- Member of the International Association of Electrical and Electronic Engineers (IEEE)
- American Computer Society (ACM) Membership
- National Robot and Robot Equipment Subcommittee
- National Robotics Modular Standards Working Group Leader
- Undertake many national 863 and natural fund robot field projects
- Received 5 provincial and ministerial awards, Beijing Science and Technology New Star
- More than 100 papers, 2 monographs, 2 textbooks



Tan Jindong Board
AUBO Robotics US - CEO

- Ph.D. in Electronic and Computer Engineering from Michigan State University, USA
- Professor of Mechanical Engineering, University of Tennessee, USA
- Distinguished Professor of Beijing Municipality, Beijing Haiju Engineering, and “100 Leading Talents”
- Published more than 120 academic papers and published 2 monographs
- Focuses on the research of collaborative robots, intelligent control, mobile sensor networks, biosensor networks, and smart camera sensor networks.

Company History

Smokie Robotics



FOSUN
复星

R&D

Firstly started in TN, USA

Set R&D Center in US

Smokie Robotics R&D Center was set up

AUBO Robotics H.Q. set up

AUBO (Beijing) Robotics Technology Co., Ltd. registered

AUBO-i5 released

AUBO-i5 collaborative robot was put into global market

A Round Financing

Acquired 60 million A round investment of FOSUN Group

2010

2012

2015.1

2015.11

2017.3

2011

2013

2015.6

2016.5

2017.11

Prototype

Robot prototype was released

First Generation robot

AUBO 1st generation robot was born

Pre-A funding

Acquired 60 million Pre-A funding investment from Dun An Group

Factory production

AUBO Jiangsu factory was setup. AUBO-i5 robot was put into production

I3, i7, i10 released

I3, i7, i10 were officially released. Academician Ni Guangnan was invited to be Chief Scientist of AUBO






DunAn
盾安环境



AUBO Robot

- In 2015, the first lightweight cooperative robot with core independent intellectual property rights, AUBO-i5, get launched.
- In 2017 November, i3, i7, i10 three new models get launched.
- All AUBO i series models have been successfully put into mass production.

AUBO-i Series Collaborative Robots

			
 Weight 15.5kg	 Weight 24kg	 Weight 32kg	 Weight 37kg
 Payload 3kg	 Payload 5kg	 Payload 7kg	 Payload 10kg
 Repeatability $\pm 0.03\text{mm}$	 Repeatability $\pm 0.02\text{mm}$	 Repeatability $\pm 0.03\text{mm}$	 Repeatability $\pm 0.05\text{mm}$
 Working Range 823mm	 Working range 1034.5mm	 Working Range 1357.7mm	 Working Range 1563.2mm
 Speed 1.9m/s	 Speed 2.8m/s	 Speed 3.5m/s	 Speed 4.0m/s
 Lifetime 30000h	 Life time 30000h	 Lifetime 30000h	 Lifetime 30000h



Features



Human-robot collaboration

- Hand Guiding
- Collision Detection
- Safety collaborative function
- ISO Standard design
- Easy to program
- Trajectory Replay



Modular Design

- 6-DoF Joint and tube modular design
- Rapid construct 3-7 DoF Robot in different configurations
- Easy to repair, maintain and update



Openness

- SDK, API, ROS, Scripts;
- Hardware bus protocol, open IO expansion interface;



Intelligent

- Cloud-based platform management, remote maintenance, troubleshooting, upgrades and other online networking services;
- Controller integrated vision with a visual positioning and compensation, intelligent work to be completed;



Easy to Use

- Visualized graphical user interface, rapid online programming, online simulation test;
- Drag and teach, users can set robot's automatic running path by manually dragging waypoints without programming, and can be quickly deployed according to work requirements.

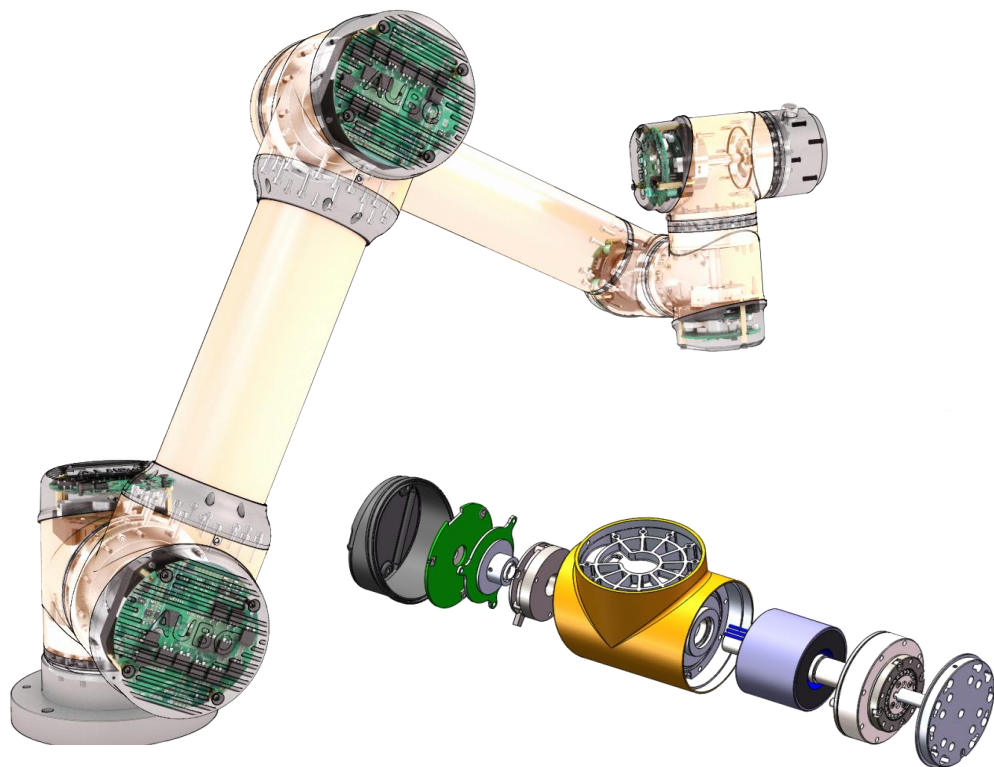


High precision



Core Competitiveness

AUBO Robotics have successively broken through the technical bottlenecks in core components of robots.



- Modularity made it easier for production and service;
- Control, drive, motor, sensor high integration, developed in house;
- Core parts 100% made in China, significantly reduced the cost;
- Product priced equivalent to average labor yearly cost in China;



Core Competitiveness

- AUBO Robotics is the first company to have obtained EN ISO 13849-1:2015 (PL=d, CAT. 3) certification and ISO 10218 certification for collaborative robot products in China.
- Obtain CE, UL, KCs, CR Certs.





CERTIFICATE
 Certificate No. MDC 2110

SGS Reference:	CST260666/1		
Date of Issue:	30 th October 2018	Issue No.: 2	Expiry Date: 29 th October 2023
Client/Applicant:	AUBO (Beijing) Robotics Technology Co., Ltd. The 3 rd Floor, Sunshine Building, No.98 of Lianshihu West Road, Beijing, China		
Manufacturer:	AUBO (Jiangsu) Robotics Co., Ltd. The 3 rd Floor, B Block of Zhongke Business Center, Changzhou Science and Education Town, Changzhou, Jiangsu, China		
Scope of certification:	Assessment according to EN ISO 13849-1:2015		
Description of Equipment	AUBO Collaborative Robots		
Type/Series:	AUBO-i3/AUBO-i5/AUBO-i7/AUBO-i10		
Serial Number(s):	N/A		
Trade Mark/Name:	AUBO		
Assessment Performed:	Assessed for compliance with the requirements of EN ISO 13849-1:2015 (PL=d, CAT 3)		
Conclusion:	In the opinion of SGS United Kingdom Limited the submitted technical file referenced as CST260666/1 satisfies the requirements of EN ISO 13849-1:2015.		
Authorised Signature Daniele Paoli Machinery Manager	 Page 1 of 2 The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. 		

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AUBO Factory

The First Collaborative Robots Mass Production Plant in China

- The current production capacity is 10,000 units/year, and it has production, technology, quality, supply chain, and integration capabilities.
- In 2019, it is estimated that 15,000 sets will be produced.
- In 2020, it is estimated that 45,000 sets will be produced.
- In 2018, AUBO Robotics purchased land in Changzhou, is going to build a 120,000-square-meter plant to meet market and capacity expansion requirements.



AUBO Robotics Partners



AUBO Robotics USA



AUBO Robotics DE



**AUBO Robotics H.Q.
Beijing, CN**



**AUBO Robotics Plant
Changzhou, CN**



AUBO Robotics are supported by a network of distributors worldwide.

In China, we have offices in Changzhou, Changchun, Wenling, Ningbo, Shenzhen, Zhuhai. Domestic sales radiate to South China, East China, Southwest China and Northeast China.

AUBO Robotics has two overseas subsidiaries in Germany and the United States of America. Overseas sales radiate to Europe, North America, South America, Asia Pacific, and Oceania. More than 60 main distributors, covering over 50 countries are represent AUBO robot in overseas market.

AUBO Eco System

- Collaborative (robot) automation application platform
- Combined technology and developer tightly

AUBO CoBot Eco-system



AG-95L Adaptive Gripper



DH-3 Adaptive Gripper



Seed Gripper



INSPIRE-DH5-031L/R



Rouchu-GS



SICK-S300 Scanner



SICK-PLOC2D



Pick-it M-HD



Sick-PIM60 Camera



AT-S1000-05C Camera



AT-S1000-01A Camera

The background is a faded industrial scene. On the left, a bright orange robotic arm is visible. In the center and right, there's a complex machinery with a blue frame. At the top of this frame, the words 'MKM BOYA MAKİNE' are printed in white. Below this, there are several white circular components, possibly part of a conveyor or processing system. A person's arm is visible on the right side, interacting with the machinery. The overall image has a semi-transparent overlay.

AUBO Cobots in Action

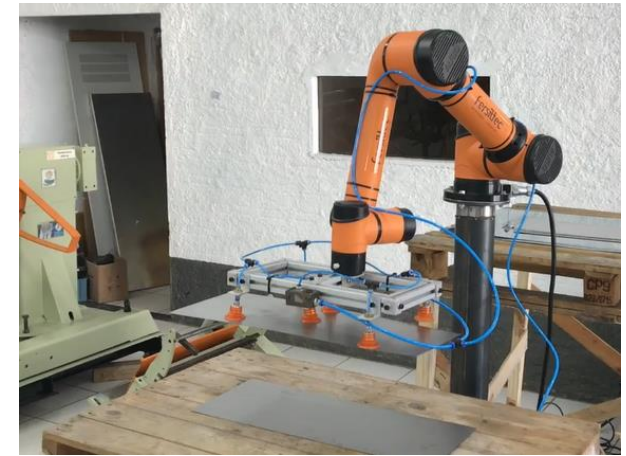
—Overseas



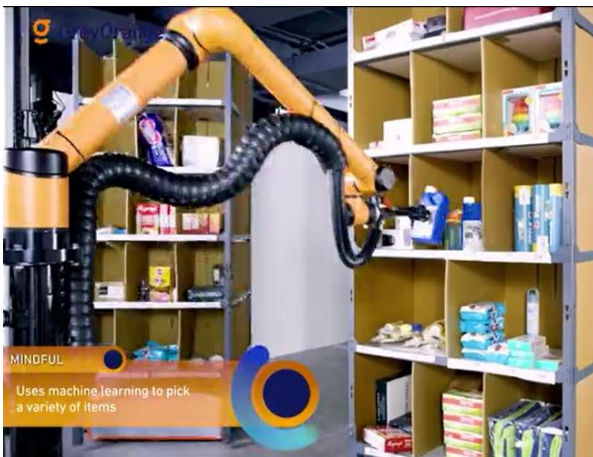
IT. Injection modeling



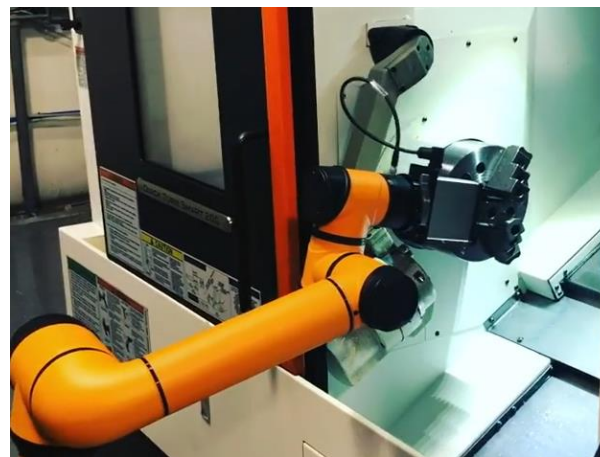
TW. Milling machine



BR. Metal handling



IN. Order fulfill. Logistic



US. machine tending



IT. CNC machine tending



KR. Packaging



KR. Robot barista



TR. Painting



DE. Robot RockTail.



KR. Inspection

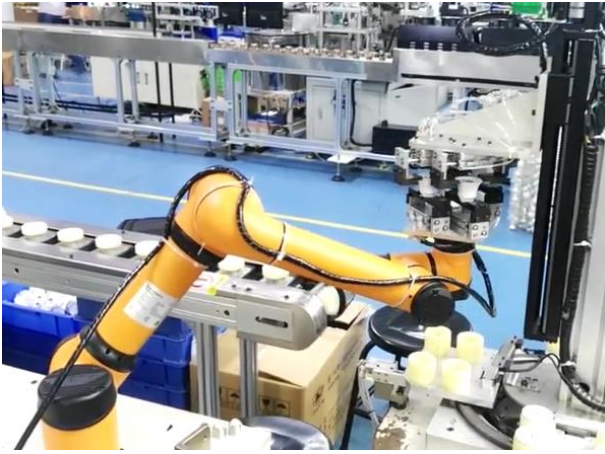


US. Packaging

The image shows a large industrial factory with multiple AUBO robotic arms. One arm is prominently featured in the foreground on the left, while several others are visible in the background, working on assembly lines. The robots are orange and black, and the factory environment is filled with industrial equipment and structural elements.

AUBO Cobots in Action

— Domestic



Assembly. Lamp Industry



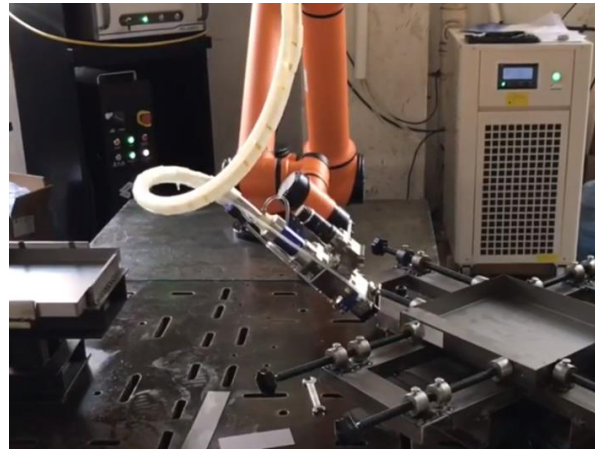
Inspection. Automotive



Inspection. 3C



CNC Machine Tending



Laser Welding. 3C



Labeling. 3C



Loading&unload. Household application



Picking&place. Automotive



Picking&place. Plastic



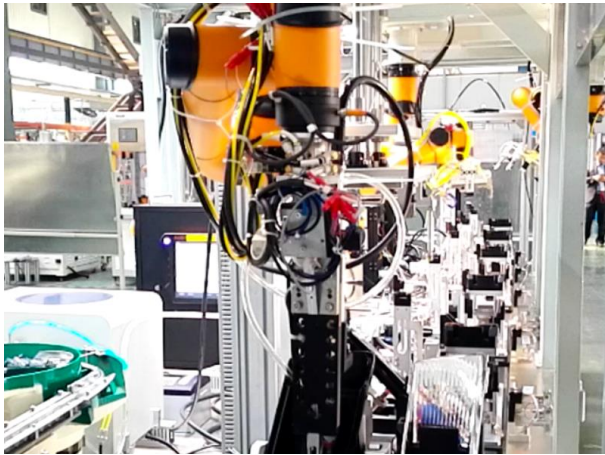
Painting



Dispensing. 3C .



Assembly. Consumer



Lamp Assembly. Automotive



Assembly. 3C



Assembly. Household Application



Assembly. Clothing



Bottling. Chemical



Packing. Logistic



Dunan. Valve Assembly.



Tianqi. Injection modeling



Leo. Pump assembly



Thermos cup Assembly



AI Change the world, **Collaboration** creates future!