



South China Robot Technology (Guangzhou) Co., Ltd.

Smart Factory • Solution Provider



ABOUT US
ABOUT US



**PRODUCT
INTRODUCTION**
PRODUCT



OUR CUSTOMERS
CUSTOMERS



CONTACT US
CONTACT US

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PART 01

PART 01



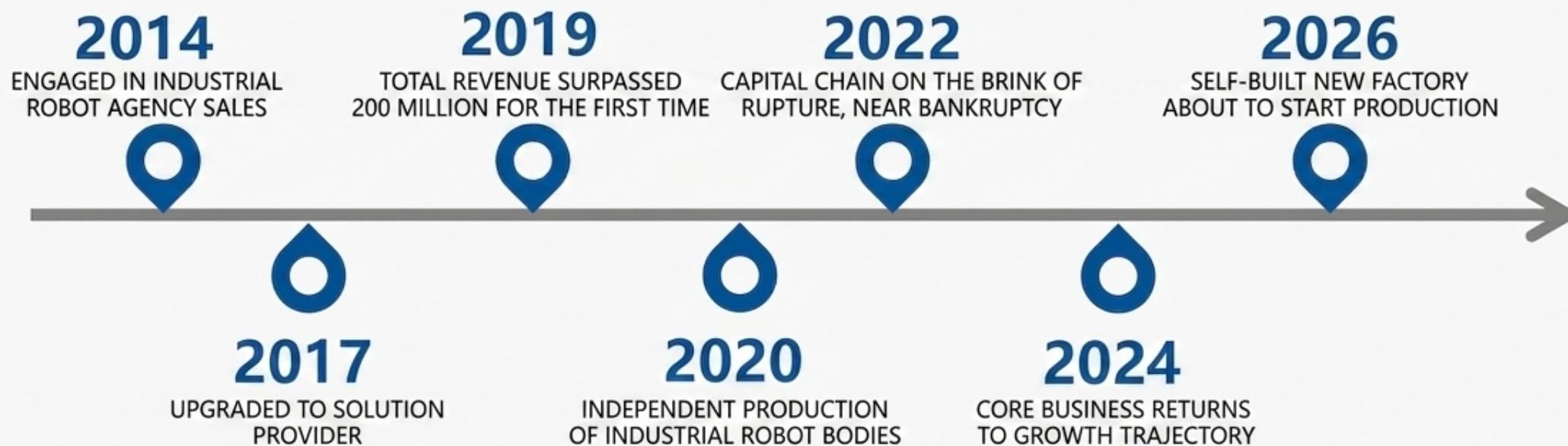
ABOUT US

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DEVELOPMENT HISTORY

DEVELOPMENT JOURNEY



Headquarters

South China Robotics Technology (Guangzhou) Co., Ltd.

The company was established on June 13, 2017, with its headquarters located in Huadu Automobile City, Guangzhou, covering an area of 6000 square meters. It is mainly engaged in the production and manufacturing of industrial robots, equipment maintenance, sales, and other comprehensive services.

The company currently has more than 50 employees (12 old employees with over 10 years of experience, accounting for over 20%), including more than 20 engineering and technical personnel, including 1 PhD, 1 national senior engineer, and nearly 20 engineers with bachelor's degrees or above. They cover R&D and application of mechanical, electronic, electrical, software, and vision technologies, as well as system integration capabilities.



Team Innovation Win-win Breakthrough Responsibility Efficiency



COMPANY PROFILE

COMPANY PROFILE

SCR
SOUTH CHINA ROBOTS

SUZHOU BRANCH

The Suzhou Branch is located in Kunshan City, Suzhou, covering an area of 500 square meters. It is primarily engaged in services with equipment maintenance and sales for industrial robots.

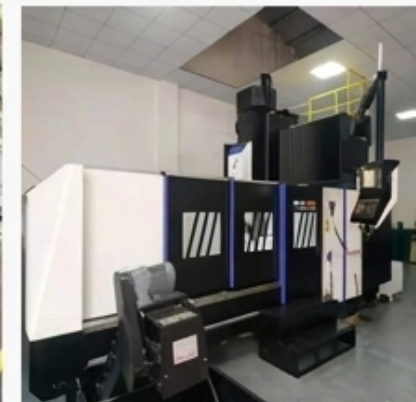


MACHINING AREA

All product series are self-developed and self-produced, with complete independent control of the core technology and entire production process. From drawing design and raw material welding to precision component machining and final product assembly, the factory manages a closed-loop production system, strictly adhering to technological and quality control standards.

For surface treatment stages such as annealing and spray coating, we cooperate with qualified, professional specialized partners with mature technology to create a self-reliant, complementary, and efficient production model.

The factory's machining center boasts strong capabilities and has served enterprises such as Dongfeng Nissan and KUKA Robotics. We honor our commitment to quality with high-standard precision machining capabilities.



PART 02

PART 02



PRODUCT INTRODUCTION

OVERVIEW



PRODUCT

SPECIALIZED MULTI-JOINT ROBOTS FOR PUNCH (FORGE) PRESSING

SCR
SC ROBOT



SAR SERIES

Payload: 12KG
Reach: 1400mm



STC SERIES

Payload: 5-10KG
Reach: 1250-1450mm



SCD SERIES

Payload: 10-30KG
Reach: Custom-made

Stamping Robot · Technical Details

Core Functions

- Multi-joint robot collaboration: sheet grasping, positioning/feeding, in-mold transfer, finished part extraction, scrap removal
- Supports single-machine/single-station, multi-machine connection, and multi-press linkage
- Equipped with vision positioning and flexible fixtures for quick identification of varying workpieces
- Multi-protection: anti-collision, anti-misfeed, emergency stop, eliminating injury risks

Product Advantages

- Highly efficient and stable: 24/7 uninterrupted operation
- Cost reduction & efficiency: replaces manual labor in high-risk positions
- Flexible adaptation: customized modification with a short turnaround time

Supported Processes



Cold Stamp



Hot Forge



Deep Draw



Bending

PRODUCT

VISION-BASED DE-PALLETIZING, HANDLING, AND MULTI-JOINT ROBOTS



ECR Series

Payload: 30-100KG
Reach: 2050mm



SCH Series

Payload: 20-1000KG
Reach: 1950-3200mm
(Customizable)



SCR Series

Payload: 80-1200KG
Reach: 3150-3850mm



SAR Series

Payload: 80-800KG
Reach: 2450-3500mm
(Customizable)

Depalletizing Robot · Technical Details

±0.1mm

Positioning Accuracy

0.3s

Modeling Speed

300-500

Bags/Hour

≥99.9%

Emptying Rate

3D Vision Positioning

- 3D structured light vision system, 0.3s pallet modeling
- Accurately recognizes woven, paper, composite, and ton bags
- Adapts to neat/messy/deformed pallets, positioning accuracy ±0.1mm

Smart Grasping

- Multi-axis robotic arm with flexible vacuum/pneumatic grippers
- Automatic layer-by-layer depalletizing, stable grasping of 40-100kg bags
- Supports mixed SKU depalletizing without switching programs

Dust-Free Discharging

- Fully enclosed bag-breaking device accurately cuts bags
- Synchronous negative pressure dust removal, emissions ≤5mg/m³
- Emptying rate ≥99.9%, automatic waste bag collection & compression

Efficiency & Safety

- 300-500 bags/hour per machine, 24/7 continuous operation
- Replaces 2-3 workers, reduces damage rate from 2% to <0.1%
- Completely isolates dust and corrosive materials, meets environmental standards

Palletizing Robot · Technical Details

Core Functions

- Supports multi-layer, multi-pattern automatic planning (cross, interlocking, rotating patterns)
- Specialized grippers (suction, clamping, grasping) adaptable to multiple packaging forms
- Operates standalone or links with production lines, conveyors, wrappers, AGVs
- Self-diagnostics, abnormal alarms, and safety protection for continuous high-intensity production

Product Advantages

- High efficiency & load: high-speed stable palletizing, far exceeding manual efficiency
- Labor cost savings: replaces multiple heavy physical labor workers
- Flexible layout: floor-mounted or inverted installation, small footprint

Supported Packaging

Cartons

Woven Bags

Ton Bags

Chemical Drums

Oil Drums

Pallets

Linked Equipment

Conveyors

Wrappers

AGVs

Vision Systems

SCH (KK module) series

Load: 3-5KG
Arm Span: 200-600mm
(Customizable)



SCH (AI-base module) series

Load: 5-10KG
Arm Span: 400-1300mm
(Customizable)



SCH series

Load: 10-20KG
Arm Span: 800-1300mm
(Customizable)



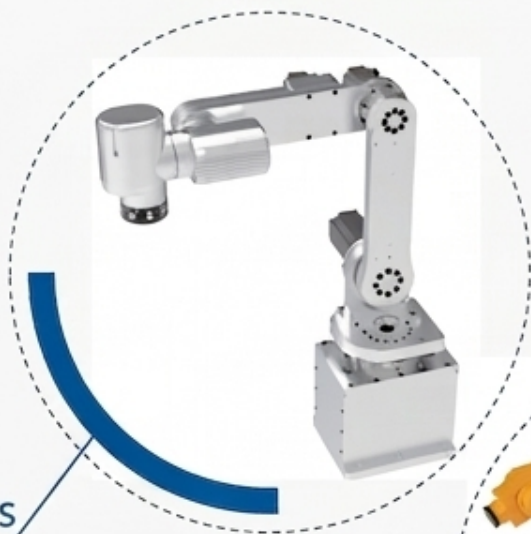
SCH (Sealed module) series

Load: 5-10KG
Arm Span: 400-1300mm
(Customizable)



PRODUCT

Six-axis Robot for Machine Tending, Dedicated for Welding



ECR Series



Collaborative Series



ER Series



PRODUCT

Non-standard Customized Series



Column Robot · Technical Details

Core Functions

- Compact column + rocker arm structure, small footprint, large working radius
- Supports multi-degree-of-freedom flexible movement, adaptable to various height and depth operations
- Can perform handling, loading/unloading, and sorting tasks when equipped with end effectors or suction cups
- Open control system, supports communication and linkage with CNC machines, conveyor lines, etc.

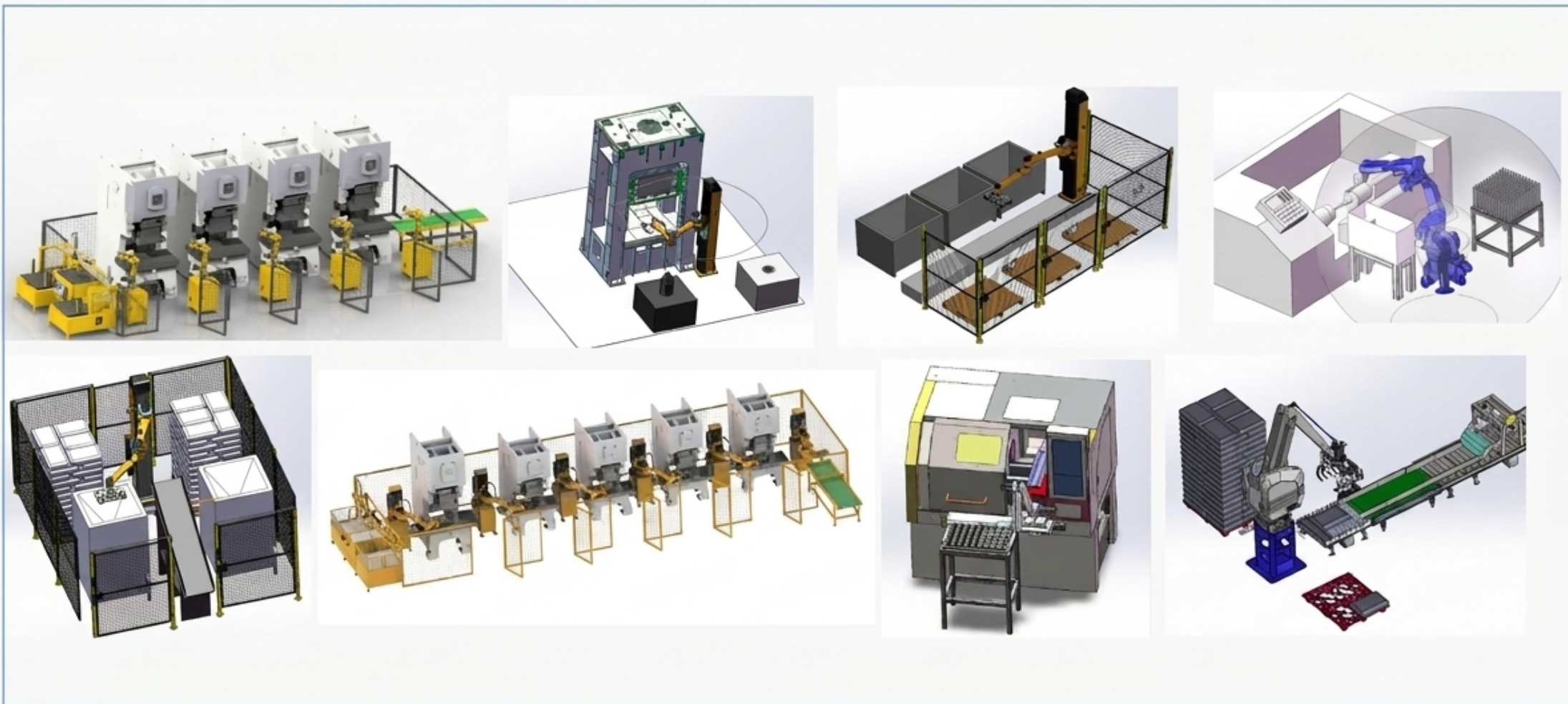
Product Advantages

- High Cost-Effectiveness: Short ROI period, ideal for SME technological upgrades
- Easy Operation: Simple teach-programming, workers can learn in half a day
- Low Maintenance Cost: Streamlined structure, durable and easily replaceable core parts

Application Scenarios

Machine tool loading/unloading · Stamping automation · Injection molding extraction · Hardware processing · Multi-process linked production lines

AUTOMATION PROJECT CASES



PART 03

PART 03



PARTNERS & CLIENTS CUSTOMERS



CUSTOMERS

COOPERATIVE CLIENTS

SCR
SC ROBOTICS

Midea



汤臣倍健



LONGI 隆基



Homa 奥马



五粮液



TOM 汤姆森

富创精密
FORTUNE PRECISION



BYD



HUNTSMAN
Enriching lives through innovation

HOMRUI
— 宏瑞股份 —

TINCI 天赐



Tofflon
东富龙

大运
DAYUN

PART 04

PART 04



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Conservation Industrial Park

A full-page background image of a massive, curling blue ocean wave with white foam at its crest. The sky is a deep blue with scattered white clouds. In the center, a dark blue rectangular box with a thin white border contains the word "THANKS" in white, bold, sans-serif capital letters.

THANKS