TOUCH YOUR DREAMS WITH ROBOT FINGERTIPS

Stock Code:06871.HK

ROBOT PHOENIX®

ROBOTPHOENIX

OUR INTENTION IS TO ACHIEVE PERFECTION

ROBOTPHOENIX INTELLIGENT TECHNOLOGY CO., LTD.

- Yuhuan Headquarters:Building E, Digital Economy Industrial Park (Nanwan Smart Valley), No. 1261 Jinhai Avenue, Economic Development Zone, Yuhuan, Taizhou, Zhejiang Province
- Jinan Branch:Puyi Robot Industrial Park, Hangtian Avenue, High-tech Zone, Jinan
- Shanghai Branch:Room 516, Tower T2, Smart Source, Digital & Intelligence World, Zhangjiang Science City, Lane 388 Kang'an Road, Pudong New Area, Shanghai
- Hangzhou Branch:Room 903, 9th Floor, Building 7, Jindi Xindao Langu, No. 2 Qiannong 1st Road, Xiaoshan Science City, Xiaoshan District, Hangzhou
- Shenzhen Branch:Room 1201, Building 2, Manjinghua Innovation Workshop (Industrial Zone), No. 6 Songjiang Road, Songgang Subdistrict, Bao'an District, Shenzhen
- Suzhou Branch:Room B-407-411, Tower B, Ascendas Suzhou Innovation Park, No. 388 Xinping Street, Gusu District, Suzhou
- Linyi Branch:Workshop 1, Yimeng New Quality Industrial Park, Intersection of Xi'an Road and Yushan Road, Lanshan District, Linyi
- Wuhan Branch:Room 0528, 5th Floor, Building 2, Phase III, International Enterprise Center, No. 1 Special, Guanggu Avenue, East Lake High-tech Development Zone, Wuhan
- Zaozhuang Branch:Room 109, Building 3, Jinshui Changjie (Internet Town), No. 3333 Taihangshan Road, Xingren Subdistrict, High-tech Zone, Zaozhuang
- Quanzhou Branch:Room 3526-1, Henghe Fortune Center, No. 77 Daxing Street, Binhai Community, Donghai Subdistrict, Fengze District, Quanzhou
- Yancheng Branch:3rd Floor, Building A4, Robot Industrial Park, High-tech Zone, Jianhu County, Yancheng
- Shaoxing Branch:Building 10, Factory Area, Shangyu Zheli Xinzhengcheng Venture Capital Industrial Park, Lianxing Village, Dongguan Subdistrict, Shangyu District, Shaoxing

Tel: 400-116-0626

Email: marketing @ robotphoenix . com



Contents

PART . 01

Company Profile / 01

Development History / 03

Clients & Partners / 05

PART . 02

Complete Product Family / 07

Bat-series Delta Robot / 09

Python-series SCARA Robot / 11

Lobster -Series Wafer Robot / 13

Camel-series Ground AGV / 15

Hogene Series Humanoid Robots / 17

Controller / 19

Vision System / 21

List of Robots / 23

PART . 03

Industry Cases / 33

Semiconductor Industry

Biopharmaceutical Industry

Food & Daily Chemical Industry

Automotive Parts Industry

3C Electronics Industry

Intelligent Logistics Industry

PART . 04

After-sales Service / 35

TOUCH YOUR DREAMS WITH ROBOT FINGERTIPS

ROBOTPHOENIX

RobotPhoenix is a leading comprehensive industrial robotics enterprise in China and a national-level "Specialized, Refined, Differential and Innovative Little Giant" enterprise. We focus on the design, R&D, manufacturing and commercialization of industrial robots, and deliver all-round robotic solutions with deep expertise in the light industry.
Leveraging self-developed robot bodies, control systems, vision systems and manufactur/ing technologies, we have built a robust and full-coverage technological ecosystem. Our products support large-scale intelligent decision-making, environmental perception, precise manipulation and autonomous movement. As one of the few domestic enterprises capable of providing industrial robots and supporting solutions on a large scale, we help clients across diverse industries boost productivity, cut production costs and improve product quality, advancing their intelligent transformation.

RobotPhoenix has developed a full portfolio of industrial robots tailored for China' s light industry, including delta robots, mobile robots, SCARA robots, wafer handling robots, six-axis industrial robots and humanoid robots. We independently develop core technolo/gies such as control and vision systems. We also provide integrated robotic solutions based on intelligent automation systems for various smart manufacturing scenarios, including loading & unloading, sorting, pick-and-place, packaging, vision inspection, assembly and gluing applications.

MISSION

Leading the world into the intelligent era with industrial robots

DEVELOPMENT PURPOSE

Create superior products with cutting-edge technology

BUSINESS PHILOSOPHY

Good faith, excellence, hard-working, innova/tion and mutual trust

SERVICE COMMITMENT

Professional and efficient to achieve customer satisfaction



Development History

2012-2014 Initial Stage

Awarded a municipal talent program grant of 2 million CNY

The first product - Bat-series delta robot was officially released

2015-2018 Business Development

Received Series A and B financing

Received a nearly 200 million RMB order from a Fortune 500 company for the first time.

Signed the first export order

Shanghai subsidiary was established

2019-2021 Transformation Leap

Received Series C financing

Enterprise Title for Key Epidemic Prevention and Control Supplies

Hangzhou subsidiary was established

SCARA robot and small 6-Axis robot were released

2022-2024 Steady Growth

Secured Series D financing

Recognized as a National Specialized, Refined, Unique & Innovative "Little Giant" Enterprise

Relocated to a new factory covering 24,000 square meters

Completed shareholding system reform

Established subsidiaries in Shenzhen and Suzhou

Expanded business into the semiconductor and logistics industries

Became the industrial robot manufacturer with the most comprehensive product portfolio

2025-2026 Listed on HKEX

Secured hundreds of millions of CNY in financing through Series E and Pre-IPO rounds successively.

Launched the R&D of embodied intelligent robots.

Established subsidiaries in Linyi, Shangyu and Jianhu.

Settled in Yuhuan to build the Yangtze River Delta headquarters for intelligent manufacturing.

Submitted the A1 listing application to the Hong Kong Stock Exchange on June 30, 2025.

Officially kicked off NDR and international placement roadshows for fundraising.

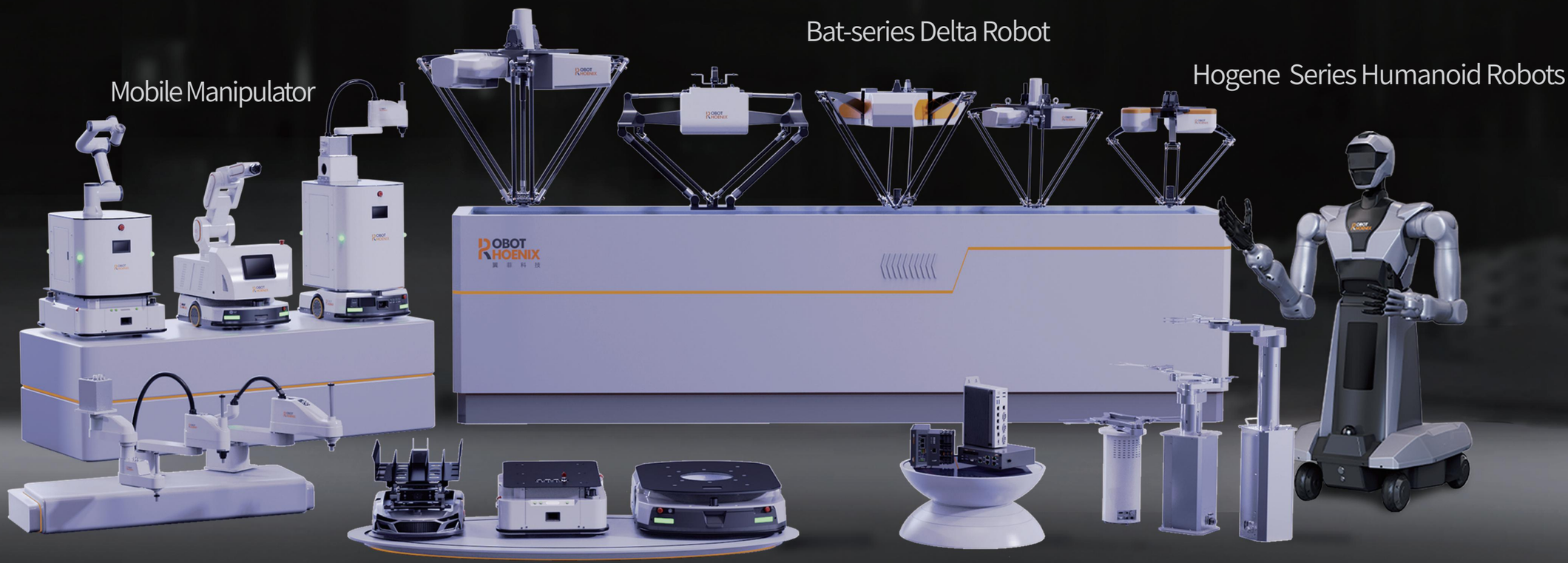
Listed on the Hong Kong Stock Exchange on May 18, 2026 (Stock Code: 06871.HK).

Clients&Partners

TIANMA
威视 NUCTECH
FOXCONN 富士康科技集团
Goertek
华鲁制药
华熙生物 BLOOMAGE BIOTECH
sunner 圣农
Unilever
JDL 京东物流
inspur 浪潮
睿芯行 RUIXINXING
ROBOT PHOENIX
NGP 新绿药
TREASURE 珍爱 湿巾
DataMatch 数配技术
NEPTUNUS 海王
中鼎集团 ZHONGDING GROUP
LEAD 先导
阿胶 DEEJ
SHINVA 新华医疗
HUAOIN
巨子生物 GIANT BIOGENE
ZBT 步長制藥 BUCHANG PHARMACY
UNI 优全 QUALITY
紫金技術 ZIJIN TECHNOLOGY
ZTE 中兴
mindray 迈瑞 生命科技如此亲近
WEGO 威高
金锣
FESTO

Full Range of Industrial Robots for Light Industry

Revolutionizing Traditional Picking Methods with Greater Efficiency, Accuracy, and Flexibility



Features

The self-developed operating system and carefully optimized transmission structure ensure that every movement of the robot is accurate and rapid. The industry-leading integrated vision and control system realizes seamless connection between robot control and vision system. It supports multi-machine sharing and provides strong support for high-speed and high-precision flexible production.

Application scenarios

All light-load robots can replace manual labor in multiple scenarios such as goods handling, loading/unloading, dispensing/gluing, assembly inspection, packaging, palletizing and painting. It can complete more complex operations.

Customer value

Help customers significantly reduce manufacturing costs, reduce labor expenses by efficiently replacing manual labor and reduce management costs. In addition, it is highly business adaptable and easy to adjust and update to meet the requirements of flexible manufacturing.

Applicable industries

Semiconductor Biopharmaceutical Food Daily chemical Automotive Parts 3C Electronics Intelligent Logistics

Bat-series Delta Robot

We have been focusing on the R&D of delta robots for 12 years and continuously updating 19 models in five generations. It is equipped with a self-developed control system, which can control a variety of robots of different brands and configurations. It can meet most application requirements in the light industry.





10 %
overall performance improved
Standard cycle time 240 times/min

31 ms
response speed improves
Full carbon fiber moving components

50 %
savings on control hardware costs
Self-developed control system with built-in vision system

Python-series SCARA Robot

7000 rpm/min
Win in Milliseconds, Excel Without Limits

>20000 hour
Stable running time

CLASS 4 ISO
TOP3 clean robots in the industry

The entire series of SCARA robots has 14 models in three series, including table-mounted and ceiling-mounted models models. They are all made by using aluminum alloy casting technology. They are lightweight and easy to deploy, and they can be flexibly used in complex application scenarios with high cleanliness requirements such as food, medicine, and semiconductors.



Lobster -Series Wafer Robot



Completely self-developed, and the main functional components and core software and hardware control have been 100% localized and controllable;

Passing TUV SEMI S2 certification and ISO Class 1 cleanliness certification. A wide range of end effectors can be provided;

A variety of Mapping sensors and traverse axes can be optionally installed to make different combinations.

5 KG

Supports end effector payloads up to 5 kg

6 way

Natively supports six internal cables within the robot arm

Class 1 @0.1μm

Cleanliness near wafer during transfer

Camel-series Ground AGV

Camel Series Ground AGV

Cover the ODM with the most industry characteristics and deliver to customers in 2 weeks.

Mobile Manipulator

Support 8 major imported and domestic brands of collaborative robotic arms

Support 2D and 3D vision, millimeter-level guided positioning accuracy.

SCARA Mobile Manipulator

Cost reduced by 20-30% and rapidly deployed in one hour.

P300 Mobile Manipulator Chassis

Integrated chassis, fully floating shock absorption;

Full-range safety protection;

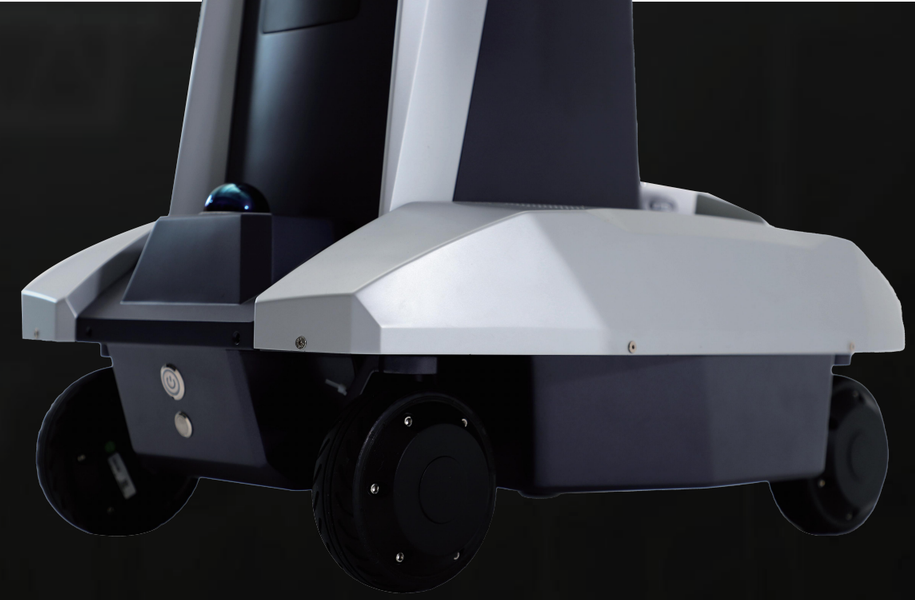
Long battery life, quick battery change and automatic charging.



Hogene-Series Humanoid Robots

Robotphoenix's first cross-industry human-machine collaborative mecha humanoid robot
It can independently complete the assembly of core components to meet the demands of industrial flexible production scenarios.





- **YiBrain AI Model**

  Multimodal Large Model, Full-link Intelligent Execution

- **Lifting & Wheeled Composite Structure**

  Four-wheel Drive & Omni-steering, 3D Operation (Sliding + Lifting)

- **7-DOF Humanoid Robotic Arm**

  Spherical Joints, Human-like Dexterous Manipulation

Controller

KingKongNano Series - Robot-Specific Controller

High Integration: Integrated IO, encoder decoding, and other interconnection interfaces, delivering exceptional cost-performance ratio.

Robot Dedicated: Supports over 20 robot models and process packages, with built-in algorithms such as vibration suppression and speed prediction

Multiple Control Modes: Compatible with teach pendant, PC, IO, Modbus, SDK, and various control units.

Safe and Reliable: Ensures uniqueness of the control unit at any given time to guarantee safe robot operation.

KingKong Series - Integrated Vision and Control Controller

Industry's first integrated vision and control robot control system.

One-to-multiple control with multi-machine information sharing.

Comprehensive SDK for secondary development and demo cases.

Over 20 general and industry-specific process packages, supporting custom process development.

Gorilla Series - Multi-Function Motion Controller

Powerful: Up to 256-axis control capability, supporting various types of robots.

Flexible: Plug-in expansion IO and encoder modules.

Simple: Supports secondary development, with various process packages and SDK dynamic libraries included.

Efficient: Modular high-performance controller with built-in robot-specific control system and PLC function.



Vision System

Vision System

Vision Power Universal Intelligent Vision Platform

With built-in self-developed visual image processing libraries, it can quickly and flexibly combine algorithms to realize visual recognition and positioning of robot.

· Integrated 2D Vision

Background modeling, color extraction, Blob analysis and template matching algorithms.

· Integrated 3D Vision

Innovative 3D laser imaging technology is adopted to track scenes. The stability and accuracy of visual positioning are improved through core algorithms such as 3D target extraction.

· Integrated Deep Learning

Support classification, target detection and segmentation deep learning algorithms.









List of Robots

Bat Series









Specifications	Bat360-S1	Bat800-S3	Bat1100-S3	Bat1300-S6	Bat1600-S6	Bat250M-S0.5	Bat360M-S0.5
Configuration	Standard 4-Axis					Under-Mounted 4th Axis	
Rated load	1kg	3kg	3kg	6kg	6kg	0.5kg	0.5kg
Workspace diameter	360mm	800mm	1100mm	1300mm	1600mm	250mm	360mm
Number of axes	4	4	4	4	4	4	4
Repeated positioning accuracy	±0.05mm	±0.05mm	±0.05mm	±0.05mm	±0.05mm	±0.05mm	±0.05mm
Repeated positioning accuracy of angle	±0.1°	±0.1°	±0.1°	±0.1°	±0.1°	±0.1°	±0.1°
Rated power	0.85kW	3.4kW	3.4kW	6kW	6kW	0.5kW	0.8kW
Weight	25kg	70kg	60kg	100kg	155kg	10kg	24kg
IP rating	IP54	IP54	IP54	IP54	IP54	IP54	IP54

Bat Series









Specifications	Bat600M-S3	Bat800M-S3	Bat1100M-S3	Bat1300M-S15	Bat2000M-S15	Bat1300N-S20	Bat1100B-S6
Configuration	Under-Mounted 4th Axis					Parallel 2+1 Axis	Standard 2-Axis
Rated load	3kg	3kg	3kg	15kg	15kg	20kg	6kg
Workspace diameter	600mm	800mm	1100mm	1300mm	2000mm	1300mm	1100mm
Number of axes	4	4	4	4	4	3	2
Repeated positioning accuracy	±0.05mm	±0.05mm	±0.05mm	±0.1mm	±0.1mm	±0.05mm	±0.08mm
Repeated positioning accuracy of angle	±0.05°	±0.05°	±0.05°	±0.05°	±0.05°	±0.05°	/
Rated power	3.3kW	3.3kW	3.3kW	6.6kW	6.1kW	4.6kW	2.2kW
Weight	69kg	70kg	60kg	/	220kg	120kg	87kg
IP rating	IP54	IP54	IP54	IP54	IP54	IP54	IP54

Python Series









Specifications

		Python450-B6	Python550-B6	Python550-B10	Python650-B6	Python650-B10	Python800-B20	Python550F-B6
Repeated positioning accuracy	Joint 1-2	±0.02mm	±0.02mm	±0.025mm	±0.02mm	±0.025mm	±0.025mm	±0.02mm
	Joint 3	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm
	Joint 4	±0.01°	±0.01°	±0.01°	±0.01°	±0.01°	±0.01°	±0.01°
Load	Rated	3kg	3kg	5Kg	3kg	5Kg	10kg	3kg
	Max	6kg	6kg	10Kg	6kg	10Kg	20kg	6kg
Working range	Working radius	450mm	550mm	550mm	650mm	650mm	800mm	550mm
	Z-axis stroke	240mm	240mm	208mm	240mm	208mm	208mm	130mm
Rated power		1.3kW	1.3kW	2.0KW	1.3kW	2.0kW	2.4kW	1.3kW
Installation type		Table-mounted	Table-mounted	Table-mounted	Table-mounted	Table-mounted	Table-mounted	Ceiling-mounted
Weight		24kg(excluding cable)	25kg(excluding cable)	33kg(excluding cable)	26kg(excluding cable)	33.5kg(excluding cable)	40kg(excluding cable)	20kg(excluding cable and rack)
IP rating		IP54	IP54	IP54	IP54	IP54	IP54	IP54

Python Series









Specifications

		Python450-T6	Python550-T6	Python650-T6	Python800-C10	Python800-T20	Python550F-C3	Python550F-T6
Repeated positioning accuracy	Joint 1-2	±0.02mm	±0.02mm	±0.02mm	±0.025mm	±0.025mm	±0.02mm	±0.02mm
	Joint 3	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm
	Joint 4	±0.01°	±0.01°	±0.01°	±0.01°	±0.01°	±0.01°	±0.01°
Load	Rated	3kg	3kg	3kg	5Kg	10kg	1Kg	3kg
	Max	6kg	6kg	6kg	10Kg	20kg	3Kg	6kg
Working range	Working radius	450mm	550mm	650mm	800mm	800mm	550mm	550mm
	Z-axis stroke	240mm	240mm	240mm	178mm	208mm	100mm	130mm
Rated power		1.3kW	1.3kW	1.3kW	2.4kW	2.4kW	1.3kW	1.3kW
Installation type		Table-mounted	Table-mounted	Table-mounted	Table-mounted	Table-mounted	Ceiling-mounted	Ceiling-mounted
Weight		24kg(excluding cable)	25kg(excluding cable)	26kg(excluding cable)	39kg(excluding cable)	40kg(excluding cable)	20kg(excluding cable and rack)	20kg(excluding cable and rack)
IP rating		IP54	IP54	IP54	IP54	IP54	IP54	IP54

Hogene Series Humanoid Robots



规格		HOGENE W001
Whole Body Parameters	Height (Min.–Max.)	1200-1700mm
	Weight	Approx.100Kg
	Moving Speed	2-2.6m/s
	Total Degrees of Freedom (incl.gripper)	24
	Battery	48V/18AHLithium Iron Phosphate Battery
Mechanical Arm Parameters	Single Arm Degrees of Freedom	7DOF
	Reach	600mm
	Single Arm Payload	3Kg
	Single Arm Self-weight	7Kg
	End Linear Velocity	0.5m/s
	Repeat Positioning Accuracy	±1mm
	End Effector	Standard 2-finger gripper; optional 6-DOF dexteroushand
Torso Parameters	Lifting Speed	636mm/s
	Head Degrees of Freedom	2DOF
	Light Strip	LED Display
	Emergency Brake	One-key Start/Stop
Chassis Parameters	ChassisDegrees of Freedom	8DOF
	Drive Mode	4-wheel Steering & 4-wheel Drive (4WS4WD)
	Ground Clearance	60mm
	Speaker	2*10W
Other Parameters	ComputingPower	157TOPs
	Sensors	1×Laser Distance Sensor, 1×LiDAR, 1×Binocular Camera, 1×RGBD Camera

Kingkong Series





Specifications		KingKong-C1	KingKongNano-ZM
Performance	CPU	X86	ARM
	Memory	8G	4G
	Storage	128G SSD	eMMC 8G
Ethernet		5	4
EtherCAT		EtherCAT master	EtherCAT master
USB		USC3.0*2、USB2.0*2	USC3.0*2
Serial interface		RS485*1 x RS232*1, 3*COM (DB9 male) RS232 or RS485 mode can be configured with toggle switch	RS485*1
External vision		Yes	Yes
Integrated vision		Yes	No
Power failure holding		Built-in UPS	Support power failure detection, 5sec battery life after power failure
Dimensions		180x129x66mm	170x115x50mm

Humanoid Robot Chassis





规格					
Parameter	Dimensions: L×W×H			720*500*320 (±2) mm	720*500*320 (±2) mm
	Wheel Tread			360mm	360mm
	Wheelbase			560mm	560mm
	Wheel Diameter			130mm	150mm
	Turning Diameter			820mm	820mm
	Rated Load			100Kg	200Kg
	Chassis Ground Clearance			40mm	40mm
	Total Weight			65Kg	70Kg
Motion Performance	Rated Running Speed / No Load			120m/min	90m/min
	Rated Running Speed / Rated Load			96m/min	72m/min
	Driving Mode			Four-wheel Omnidirectional	Four-wheel Omnidirectional
Positioning & Navigation	Navigation Mode			LiDAR SLAM	LiDAR SLAM
	Parking Position Accuracy			±10mm	±10mm
	Parking Angular Accuracy			±1°	±1°
Battery	Battery Type			Lithium Iron Phosphate (LiFePO4)	Lithium Iron Phosphate (LiFePO4)
	Capacity / Rated Voltage			20/48Ah/V	20/48Ah/V
Safety & Protection	Front LiDAR	Mounting Height (Scanning Plane)		251.5mm	251.5mm
		Field of View		270°	270°
	Rear LiDAR	Mounting Height (Scanning Plane)		251.5mm	251.5mm
		Field of View		270°	270°
	3D Vision Obstacle Avoidance			Optional: Front / Rear / Left / Right	Optional: Front / Rear / Left / Right
	Emergency Stop Button			Quantity: 2 (1 each on left & right sides)	Quantity: 2 (1 each on left & right sides)
	Audible & Visual Alarm			Standard	Standard

Gorilla Series





Specifications		Gorilla-A10	Gorilla-S20
Dimensions		99*115*108.3mm	99*115*108.3mm
Performance	Processor	J1900	I5-8265U
	Memory	DDR3-4G/8G	DDR4-8G/16G
	Hard disk	120G (60G/240G/500G Optional)	120G (60G/240G/500G Optional)
	Axis control capacity	128 axes	256 axes
	Power-failure saving space	Optional UPS	Optional UPS
Ethernet		Gigabit network port x2	Gigabit network port x2
EtherCAT		EtherCAT master x1	EtherCAT master x1
Power voltage		24V DC max 3.5A	24V DC max3.5A

Camel Series

Specifications

		Camel-50	Camel-400-D	Camel-600-SP1	Camel-1000-D	Camel-1500-D	Camel-2000	Camel-3000
Basic Parameter	Dimensions: L*W*H	678*450*435mm	780*550*255mm	950*650*255mm	1150*820*256mm	1150*820*256mm	1900*1200*400mm	2000*1300*420mm
	Dead Weight	70Kg	98Kg	130Kg	180Kg	200Kg	680Kg	900Kg
	Rated load	50Kg	400Kg	600Kg	1000Kg	1500Kg	2000Kg	3000Kg
	Chassis Ground Clearance	25mm	25mm	25mm	25mm	25mm	40mm	40mm
	Min. swivel diameter	678mm	750mm	965mm	1199mm	1199mm	2166mm	2304mm
	Jacking drive	Electric + lead screw	Electric	Electric	Electric	Electric	Electric	Hydraulic
	Jacking height	⩾400mm	60mm	60mm	60mm	60mm	100mm	130mm
	Lifting speed	⩽4S	2-3S	2-3S	2-3S	2-3S	2-3S	2-3S
Operating performance	Rated operating speed/no load/full load	4/3.5 m/s	1.9/1.5 m/s	1.9/1.5 m/s	1.8/1.5 m/s	1.5/1.0 m/s	1.2/1.0 m/s	1.2/1.2 m/s
	Acceleration no/full load	2/1.2 m/s²	0.6m/s²;0.3m/s²	0.6/0.3 m/s²	0.6/0.3 m/s²	0.6/0.3 m/s²	0.6/0.3 m/s²	0.6/0.3 m/s²
	Drive mode	Two-wheel differential drive	Two-wheel differential drive	Two-wheel differential drive	Two-wheel differential drive	Two-wheel differential drive	Dual Steering Wheel	Dual Steering Wheel
Positioning & navigation	Navigation mode	QR code	Laser Slam or QR code	Laser Slam or QR code	Laser Slam or QR code	Laser Slam or QR code	Laser Slam or QR code	Laser Slam or QR code
	Stop position accuracy/angle accuracy	±5mm/±1°	±5mm/±1°	±5mm/±1°	±5mm/±1°	±5mm/±1°	±10mm/±1°	±10mm/±1°
Battery performance	Capacity/ rated voltage	10Ah/48V	16Ah/48V	24Ah/48V	40Ah/48V	50Ah/48V	67Ah/48V	135Ah/48V
	Charge/discharge cycles	1,500 Full Cycles	1,500 Full Cycles	1,500 Full Cycles	1,500 Full Cycles	1,500 Full Cycles	1,500 Full Cycles	1,500 Full Cycles
	Endurance time under rated operating conditions	4-6H	8H	8H	8H	8H	8H	8H
	Charging time after complete discharge	⩽1.5H	⩽1.5H	⩽1.5H	⩽1.5H	⩽1.5H	⩽2H	⩽2H

Camel Series

Specifications

		Chameleon-S200	Chameleon-P300	Camel600-SCR-B-L06	Chameleon-P300-CR-L06	Camel600-C50
Basic Parameters	Dimensions: L*W*H	920*620*257mm	1000*650*300mm	950*650*500mm	1000*650*300mm	950*650*500mm
	Swivel diameter	1013mm	1193mm	965mm	1193mm	965mm
	Dead Weight	90kg	130kg	200kg(excluding robotic arm)	200kg(excluding robotic arm)	180kg(excluding robotic arm)
Operating performance	Rated operating speed/no load/full load	1.5/1.2 m/s	1.5/1.2 m/s	1.5/1.2 m/s	1.5/1.2 m/s	1.9/1.5 m/s
	Acceleration no/full load	0.6/0.3 m/s²	0.6/0.3 m/s²	0.3/0.3 m/s²	0.3/0.3 m/s²	0.3/0.3 m/s²
	Drive mode	Two-wheel differential	Two-wheel differential	Two-wheel differential	Two-wheel differential	Two-wheel differential
Positioning & navigation	Navigation mode	Laser Slam	Laser Slam/QR code	Laser Slam/QR code	Laser Slam/QR code	Laser Slam/QR code
	End-guided positioning method	Visual guidance	/	Vision (3D/2D)	Vision (3D/2D)	Roller transfer
	Stop position accuracy/angle accuracy	±10mm/±1°	±5mm/±1°	±5mm/±1°	±5mm/±1°	±5mm/±1°
Battery performance	Capacity/ rated voltage	50Ah/48V	60Ah/48V	24Ah/48V	60Ah/48V	24Ah/48V
	Charge/discharge cycles	1,500 Full Cycles	1,500 Full Cycles	1,500 Full Cycles	Manual/auto/quick-fitting battery	1,500 Full Cycles
	Endurance time under rated operating conditions	8H	10H	6H	10H	8H
	Charging time after full discharge	⩽1.5H	1.5H	1.5H	1.5H	1.5H
	Whether to support battery change	No	Yes	No	Yes	No
Safety protection	E-stop button	Qty.: 2/1 each at front and rear	Qty.: 2/1 each at front and rear	Qty.: 2/1 each at front and rear	Qty.: 2/1 each at front and rear	Qty.: 2/1 each at front and rear
	Contact protection	Piezoelectric edge switch	Piezoelectric edge switch	Piezoelectric edge switch	Piezoelectric edge switch	Piezoelectric edge switch
	Laser obstacle avoidance range	360°	360°	Front 260°/rear 180°	360°	Front 260°/rear 180°

Direct-drive Vacuum Robot



RW-V111B

Specifications

Arm type		Double-arm
Stroke	Z-axis	40mm
	T-axis	0~360deg
	R/W-axis	351mm (customizable)
Max. speed	Z-axis	250mm/s
	T-axis	360deg/s
	R/W-axis	1000mm/s
Repeated position/ing accuracy	Z-axis	±0.05mm
	T-axis	±0.006deg
	R/W-axis	±0.05mm
Load		0.5Kg (including end effector)
Number of control axes (servo)		3
Cleanliness		Class1@0.1um
Installation method		Top mounting
Total weight		50kg
Vacuum degree		$<1\times10^{-6}$ Pa
Leakage rate		$<1\times10^{-9}$std.cc/sec He
Cable length (Robot-Controller)		3m (standard)
I/O interface		5IN;8OUT
Power supply		DC48V 25A,DC24V 5A

Large-Load Wafer Handling Robot



RW-A000H

Specifications

Drive mode	R/Z/T-axis	Low voltage servo
Work stroke	R-axis	Arm length: 190/260mm
	Z-axis	300/450/500mm
	T-axis	0-340°
Max. speed	R-axis	700mm/s
	Z-axis	500mm/s
	T-axis	130°/s
Repeated position/ing accuracy	R/Z-axis	±0.1mm
	Z-axis	±0.02°
Cleanliness		Class 1 @0.1um
Noise		⩽80dB
Power supply		Single phase AC220V,50/60Hz
Cable length		3m (standard)
Gas source	CDA	Φ6 quick fitting，0.4～0.6MPa,10NL/min
	Vacuum	-50～-70kPa
Handling vibration value		<0.5g
I/O interface		8IN;8OUT
Installation method		Top/bottom (mounted)
Load		⩽10kg (including end effector)
End effector		Heavy duty fork (customizable)

Dual Z-axis Wafer Robot



RW-A222D

Specifications

Arm type		Double-arm
Number of control axes (servo)		5
Working range	Dual Z-axis	450mm+450mm
	T-axis	0～340°
	R/W-axis	720mm (arm length: 190mm)
Repeated positioning accuracy	Z-axis	±0.1mm
	T-axis	±0.02°
	R/W-axis	±0.1mm
Max. speed	Z-axis	500mm/s
	T-axis	260°/s
	R/W-axis	1100mm/s
Cleanliness		Class1@0.1um
Gas source	CDA	Φ6 quick fitting，0.4～0.6MPa,10NL/min
	Vacuum	-50～-70kPa
Power supply		Single phase AC220V, 50/60 Hz
Communication		Ethernet
I/O interface		8IN;8OUT
Rated power		2kW
Installation method		Bottom mounted
Total weight		55～65kg (excluding electrical cabinet)
Teach pendant		Yes (5m cable length)
Cable length (Robot-Controller)		3m (standard)
Electrical cabinet size		435x300x155mm

4-Port EFEM



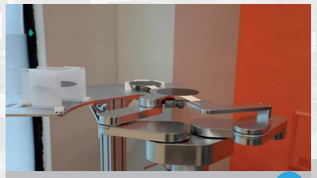
PTE-141

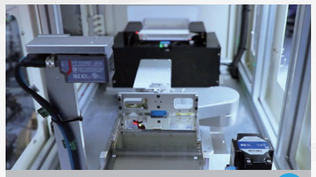
Specifications

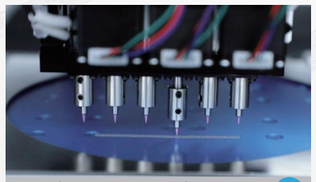
Model	PTE-121	PTE-131	PTE-141
Number of load ports	2	3	4
Handling object	300mm wafer: diameter 300 ± 0.2mm. thickness 775μm		
Compatible vehicle	25-slot 300mm FOUP (SEMI E47.1)		
	25-slot 300mm FOSB (SEMI M31)		
Power supply	Single phase AC 220V±10%,50/60Hz±5%,4KVA (including FFU)		
Vacuum	-80kPa~-90kPa		
	40L/min	50L/min	60L/min
Compressed air	0.6MPa~0.7MPa		
	20L/min	30L/min	40L/min

Industrial Cases

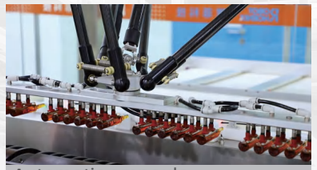
Semiconductor Industry


Wafer handling robot


Mask inspection equipment


LED placement machine

Biopharmaceutical Industry


Automatic ampoule packaging line


Automatic infusion bag sorting machine

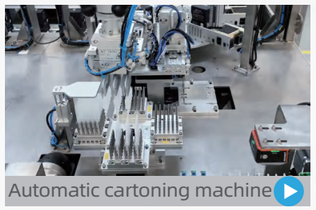

Disposable syringe packing equipment


Back-end packaging inspection equipment for granule medicine packages

Food & Daily Chemical Industry


Back-end packaging equipment for strip products


Automatic cosmetic capping equipment


Automatic cartoning machine


Soft bag food packing workstation

Automotive Parts Industry


Automobile rear control panel mounting equipment


All-in-one battery cell scanning and packing machine


Automatic screwing machine for automobile gear shaft bolts


Automobile parts processing, loading/unloading and visual inspection equipment

3C Industry


Mobile phone glass loading and unloading


Mobile phone back-end packaging equipment


Automatic stamping parts receiving equipment


Lithium battery handling, loading and unloading

Smart Warehousing Industry


Latent AGV handling


Composite mobile robot


Roller conveying robot

MORE VIDEOS

25 +
Exporting countries

30
Domestic sales areas

14
Domestic service points

24 H
Online service + technical training





After-sales Service