Kelly Robot
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Introduction to Kelly Robot Technology

With Embodied Intelligence,
Reshaping Business and Life Scenarios



January 2026

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Foshan Kelly Robot Co., Ltd.

Artificial Intelligence & Embodied Robotics Reshaping Business and Real-World Applications



Kelly Robot is a technology-driven company based in Foshan, China, deeply embedded in the region's advanced manufacturing ecosystem. We focus on the research, development, and real-world application of embodied robotic technologies.

With strong industry expertise and a clear long-term technology vision, our team is committed to the practical integration of artificial intelligence and robotics. We deliver end-to-end intelligent solutions for commercial scenarios, supporting industrial intelligence upgrades and sustainable development.

Team & Industrial Foundation

The core members of Kelly Robot come primarily from Fortune Global 500 companies, including Midea Group. The team brings together solid manufacturing know-how, advanced intelligent R&D capabilities, and proven experience in commercial deployment.
With years of entrepreneurial practice, the team has successfully incubated and operated multiple fast-growing platforms, including Grape Car Finder, Meipu Smart Mobility, and Micang Think Tank.
Kelly Robot is not a simple business transition, but a strategic expansion built on an existing industrial foundation.
Recognizing the opportunities created by the AI-driven technological revolution, we have chosen embodied robotics as a focused direction, building a closed-loop ecosystem that integrates technology R&D, hardware manufacturing, and real-world scenario deployment.
Manufacturing Advantage & Global Integration
Foshan, as one of China's core manufacturing hubs, provides Kelly Robot with a strong industrial base and highly efficient supply-chain capabilities. By combining global R&D resources with powerful local manufacturing strengths, we transform embodied robots from technical concepts into reliable, deployable products.
Our robots are designed not just to demonstrate technology, but to operate in real commercial environments—bringing embodied intelligence into practical applications across a wide range of industries.

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100 Seconds per Cup

2 m² Footprint

3-in-1 Efficiency

Dual Robotic Arms

Custom Latte Art

360° Open Interaction

24/7 All-Day Operation

01 Fully Automatic Latte Art Coffee Robot

Where Future Technology Meets Coffee Craft
This fully automatic latte art coffee robot is designed for unmanned coffee retail scenarios, building a complete commercial closed loop of
Embodied Coffee Robot + Intelligent Coffee Machine + Autonomous Delivery Robot.
The coffee robot performs fully automated latte art and adjusts flavors based on user preferences, allowing everyday consumers to enjoy a professional-grade coffee experience with ease.
When paired with our self-developed autonomous delivery robot, the system uses precise autonomous navigation to complete end-to-end delivery across campuses, office buildings, and residential communities—achieving a truly unmanned workflow from coffee preparation to final delivery.

Technical Specifications	Item	Robot specification
Model	KL-C01A	
Dimensions	1485 * 1339 * 1565 mm	
Space Requirement	2 m²	
Rated Power	4000 W	
Average Preparation Time	100 seconds per cup	
Cup Size	8oz / 12oz	
Ordering Method	Mini-program / Mobile App	
Robotic Arm	JAKA MiniCobo, 6-axis	

Popular Drinks


Americano (Cold/Hot)


Latte (Cold/Hot)


Cappuccino


Coconut Latte (Cold/Hot)


Caramel Latte (Cold/Hot)


Mint Latte (Cold/Hot)


Customizable Latte Art Patterns Available

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Super AI Coffee Robot System

loud-Based Data & Backend Software Platform

Industrial-Grade High-Precision Robotic Arm

Intelligent Backend Monitoring

24-Hour Continuous Operation

Timed UV Sterilization

Automated Intelligent Cleaning

Technical Specifications	Item	Robot specification
Model	KL-C02A	
Dimensions	1600*1300*2010 mm（excluding top lightbox）	
Space Requirement	2.1 m^2	
Net Weight	650 kg	
Cup Output Speed	From 60–90 seconds per cup	
Maximum Capacity	Up to 150 cups per refill	
Input Voltage/Power	AC220V/50Hz/3.5Kw	
Coffee Bean Capacity	1000 g	
Refrigerator Capacity	60 L total (20 L ingredient barrel + 6.1 L ingredient box)	
Syrup Box Capacity	1.8L*4	

02 Fully Automatic Coffee Robot

Reinventing the Traditional Coffee Shop

This fully automatic coffee robot is designed to replace traditional counter-based coffee operations with a compact, unmanned, and standardized solution.
It is suitable for a wide range of commercial environments, including:
Scenic attractions/Office buildings/Shopping malls and commercial centers/Cinemas/High-speed rail stations/Airports/Commercial streets/Five-star hotels/Hospitals
By combining AI control, robotic precision, and intelligent backend management, the system delivers stable quality, high efficiency, and continuous operation with minimal human involvement.

Popular Drinks


Americano (Cold/Hot)


Latte (Cold/Hot)


Cappuccino

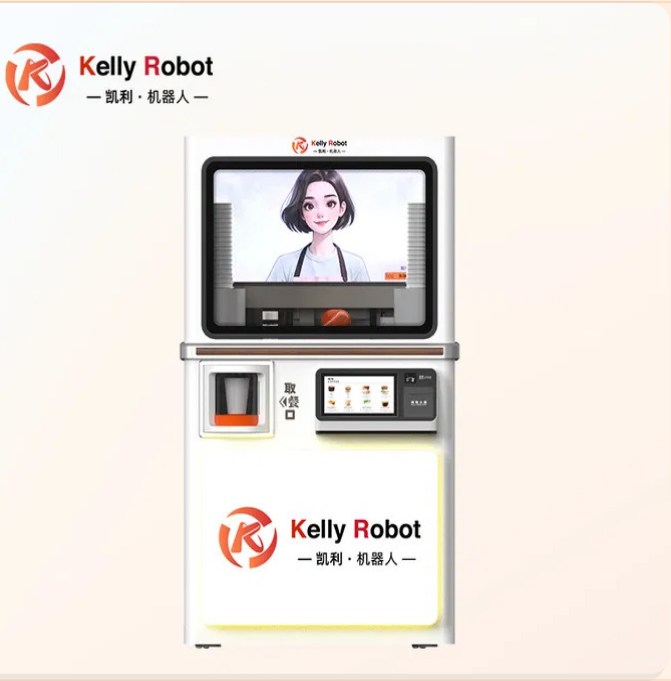

Coconut Latte (Cold/Hot)


Caramel Latte (Cold/Hot)


Mint Latte (Cold/Hot)


Customizable Latte Art Patterns Available

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Kelly Coffee Robot (Single-Arm) — KL-CO3A

Compact Design · Just 1 sqm Footprint

Designed for convenience stores, office buildings, hotels, museums, government halls, science centers, hospitals, staff canteens, and more.

- 1 sqm Footprint — Compact & Flexible
- 24/7 — Non-Stop Operation
- Intelligent Recipe — Consistent Quality
- AI Latte Art — Personalized Design
- One-Click Remote — Management
- Coffee + Ice Cream — Multi-Function

Product Overview

The Kelly Intelligent Coffee Robot (Single-Arm) delivers a smart beverage solution purpose-built for compact spaces and diverse demands. Occupying just 1.1m × 1.3m, it deploys effortlessly in convenience stores, office buildings, hotels, museums, and beyond — dramatically lowering setup barriers and rental costs. Powered by a single 6-axis robotic arm, it automates the entire workflow from order to serving, operating 24/7 with zero staff required, saving an estimated USD 20,000–30,000 in annual labor costs. Its signature "Morning Fresh-Ground Coffee, Afternoon Sleepy Latte" mode intelligently switches menus to match peak-hour demand. Beyond fresh-ground coffee, it also serves ice cream — true multi-category versatility. A simple 4-step AI latte art feature lets customers create personalized coffee designs, adding interactive appeal. Side-panel access enables fast maintenance, and a single refill produces approximately 100 cups — the ideal choice for any commercial venue seeking elevated service quality and increased foot traffic.

Parameter	Specification	*Robot Specification*
Model	Kelly Intelligent Coffee Robot (Single-Arm)	
Dimensions	1250 × 1150 × 2000 mm (excl. light box)	
Net Weight	650 kg	
Robotic Arm	Single 6-Axis Robotic Arm	
Production Speed	~110 sec/cup (hot Americano)	
Power Input	2× AC220V, 16A / 6.87 KW	
Bean Capacity	1 kg × 2 (expandable)	
Milk Capacity	10L × 4	
Connectivity	1× 1000M Ethernet / WiFi / 4G / 5G	
Operating Temp.	10°C – 32°C	

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Kelly Coffee Robot (Dual-Arm) — KL-CO3B

Dual Arms, Dual Cups · Double the Efficiency

Designed for large exhibitions, transport hubs, shopping centers, tech parks, corporate headquarters, premium landmarks, and brand co-branded stores.

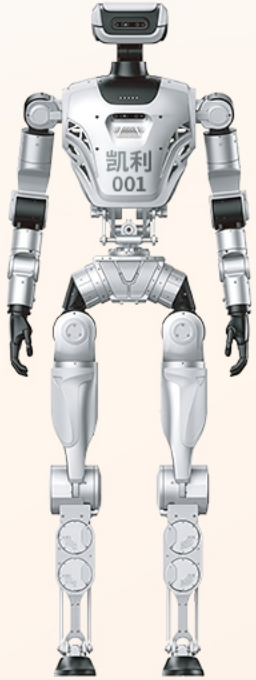
- Dual 6-Axis Arms
  Hot & Cold Simultaneous
- 24/7
  Non-Stop Operation
- 100+ Cups Daily
  High-Traffic Ready
- AI Latte Art
  Personalized Design
- CE + Food Safety
  Certified & Secure
- Mobile Remote
  Management

Product Overview

The Kelly Intelligent Coffee Robot (Dual-Arm) is a flagship smart beverage workstation engineered for high-traffic environments. Its innovative dual 6-axis robotic arms work in coordination, processing hot and cold beverage orders simultaneously — producing two Americanos in just 80 seconds, doubling throughput to meet the demanding pace of major exhibitions, transport hubs, and bustling commercial districts. Delivering over 100 premium cups daily, it operates with remarkable ease — a single smartphone manages an entire "coffee shop," one operator oversees 10 units, and just 20 cups sold per day achieves profitability. Its striking tech-forward design, combined with customizable AI latte art, transforms it into a powerful traffic magnet that draws customers in instantly. Certified under CE and multiple international food safety standards, it features a fully enclosed brewing environment with scheduled deep-cleaning cycles to ensure beverage hygiene. Modular construction supports over-the-air upgrades and rapid maintenance, while a 13-inch full-function ordering screen integrates multiple payment methods — the top choice for high-traffic commercial spaces pursuing peak efficiency and outstanding quality.

Parameter	Specification	*Robot Specification*
Model	Kelly Intelligent Coffee Robot (Dual-Arm)	
Dimensions	1550 × 1550 × 2100 mm (light box: 2320 mm)	
Net Weight	850 kg	
Robotic Arms	Dual 6-Axis Robotic Arms	
Production Speed	~80 sec / 2 cups (hot + iced simultaneous)	
Power Input	2× AC220V, 16A / 6.87 KW	
Bean Capacity	1 kg × 2 (expandable)	
Milk Capacity	10L × 4	
Connectivity	1× 1000M Ethernet / WiFi / 4G / 5G	
Operating Temp.	10°C – 32°C	

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03 Kelly 001 Humanoid Robot

Designed for Natural Movement and Interaction
Kelly 001 is equipped with multiple high-precision joints across the entire body, enabling smooth, flexible, and coordinated motion. It can perform stable upright walking, turning, and bending, as well as socially expressive gestures such as waving and bowing with accuracy and consistency.
Its agile motion system and human-scale design allow the robot to operate naturally in real human environments, making it suitable for both functional tasks and interactive scenarios.
Intelligent Interaction & Future Capabilities
In future development stages, Kelly 001 will integrate advanced large language models, enabling not only command understanding but also natural, proactive conversation with users.
Through scenario-based training, the robot will be adapted for applications such as:

- Smart home assistance
- Elderly care and companionship
- Smart security and patrol support

It will be capable of assisting with daily household tasks, providing conversational companionship for the elderly, issuing medication reminders, and supporting basic safety monitoring.
By combining agile physical movement with intelligent interaction, Kelly 001 is designed to integrate seamlessly into everyday life—delivering practical assistance and a more human-centered user experience.

Full-Size More Humanoid



Height
165cm
Weight
55Kg

End Effector



Multiple Options Available

Modular Design



Quick Disassembly & Assembly

Multi-Sensor Fusion



Self-developed 6-axis IMU
Head/Chest Depth Camera
Abundant External Interfaces

Agile Motion New Frontiers



31
Body Degrees of Freedom

Technical Specifications	Item	Robot specification
Height	165 cm	
Shoulder Width	55 cm	
Arm Length	70 cm	
Weight (including battery)	55 kg	
Max Single-Arm Payload	3 kg	
Max Walking Speed	5 km/h	
Total Degrees of Freedom	33	
Battery Capacity	9500 mAh	
Operating Time	Approx. 1.5 h	
Motion Control Computizng	Motion Control RK3588/8G/64G	
Perception Computing	Perception Orin NX (157 TOPS)/16G/1T	

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04 Kelly Household Robot

All-Electric Mobile Manipulator for Real-World Service Scenarios
Kelly Household Robot is an advanced all-electric wheeled mobile manipulator designed for indoor service environments. It features a highly biomimetic torso structure and human-like motion control, enabling natural movement and flexible task execution.
The robot integrates 35 full-body degrees of freedom. Its dual arms adopt a 7-DOF robotic arm architecture, with wrists equipped with high-precision six-axis force sensors and dexterous five-fingered hands. A leg-lifting mechanism further enhances adaptability to complex environments.
Key Capabilities
Powered by high-performance joint actuators and intelligent control algorithms, the robot supports a wide range of service and operational tasks, including:

- Autonomous positioning and navigation
- Reception and visitor guidance
- Business service handling
- Venue introduction and presentation
- VIP escort services
- Interactive performances, including dance and demonstrations

With a large-capacity battery system, the robot delivers over 3.5 hours of continuous operation, ensuring stability and reliability in extended service scenarios.

Multi-Sensor Fusion for Precise Positioning

Voice Module with Large Language Model Support

Modular Joint Design for Fast Assembly & Maintenance

Large-Capacity Battery Over 3.5 Hours of Continuous Operation

35 Degrees of Freedom Handles Complex Tasks with Ease

Technical Specifications	Item	Robot specification
Height	1280~1630 mm	
Arm Span	600 mm	
Net Weight	88.5 kg	
Single-Arm Payload	3 kg	
Degrees of Freedom	35 Integrated Joints	
Battery	15 Ah	
Runtime	3.5 h	
Computing Configuration (Chip/RAM/Storage)	Motion Control:Intel x86 i7-1355U/16G/256G Perception:Orin AGX 64*1 275TOPS	
Cameras	Head: RGBD1, Chassis: RGBD2, RGB*1	
Voice Module	Linear MIC4, Speaker1, Sound Card*1	
External Communication	WIFI6，Ethernet，Bluetooth5.3	
Internal Communication	Full-body Ethercat/CAN Bus Communication	

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05 Meipu Smart Mobility Unmanned Logistics Vehicle

L4 Autonomous Logistics Vehicle for Urban Distribution
The Meipu Smart Mobility unmanned logistics vehicle is a new-generation transport solution based on L4 autonomous driving technology. A single vehicle can carry 800–1,000 parcels per trip and is specifically designed for urban distribution scenarios.
Operating within a 60 km urban radius, the vehicle supports high-frequency city logistics tasks. With its efficient loading structure and flexible interior layout, it helps enterprises significantly reduce operating costs while improving delivery efficiency.
Autonomous Driving & Perception System
The vehicle is equipped with L4 autonomous driving capability, supported by a multi-sensor perception system that includes LiDAR and 12 high-definition cameras. Together, they form a 360-degree environmental perception networkwith a detection range of up to 120 meters.
This system enables real-time environment awareness and proactive obstacle avoidance, ensuring safe and stable autonomous operation in complex urban environments.

6 m³ Loading Capacity
Loading Space Increased by 50%



Front Space Fully Released, Sunken Chassis;
Maximized Loading Space Under the Same Vehicle Model.

Single-Parcel Transport
Cost Can Be Reduced by 50%



A Single Vehicle Can Deliver Over 2000 Parcels Per Day,
Single-Parcel Transport Cost Reduced by 50%.

Rear Door 270-Degree Opening,
Side Door 180-Degree Opening

Side doors opening in both directions &
rear door opening, enabling more flexible loading.



Technical Specifications	Item	Robot specification
Product Model	X6 (Cargo Van)	
Loading Volume	6 m^3	
LengthWidthHeight (excluding radar)	3685 * 1300 * 1950 mm	
Internal Cargo Compartment LWH	3480 * 1265 * 1360 mm	
Wheelbase	2330 mm	
Minimum Ground Clearance	150 mm	
Maximum Turning Radius	4.6 m	
Maximum Wading Depth	200 mm	
Maximum Gradeability	20%≈11.3°	
Maximum Design Speed	60 km/h (Speed Limitable)	
Waterproof & Sealing Rating	IP55	
Range	Half Load: 207 km, Full Load: 164 km	
Payload	1130 kg	
Battery Solution	Onboard Charging	
Charging Method	220 V Standard Mains	

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06 Kelly Robotic Dog

Highly Flexible Multi-Modal Mobility

Kelly Robotic Dog is a multi-modal mobile robot platform supporting bipod, biped, and biwheel configurations. It enables rapid switching between different mobility modes to adapt to diverse terrains and task requirements.

The robot supports:

- Wheeled forward and backward movement
- Differential steering
- Standing and squatting in place
- Body height adjustment
- Fall recovery
- Ground contact detection

Its strong expandability and mobility make it a highly versatile all-terrain universal robotic platform suitable for research, development, and real-world deployment.

Novel Modular Configuration



- Biped, Bipod, Biwheel — Quick Configuration Switching
- Supports Multi-Modal Algorithm Development

All-Terrain Mobile Chassis



- Motion Speed ≥3 m/s
- Payload Capacity 10 kg
- Climbing Angle ≥30°
- Endurance 2 h
- Obstacle Clearance ≥20 cm

Multi-Sensor Integration

- IMU sensor
- RGB-D camera (optional)
- Rich external interfaces


Mobile Manipulation Expansion Kit


Voice Interaction Expansion Kit


Perception Expansion Kit

Technical Specifications	Item	Robot specification
Standing Dimensions	≤ 392 mm x 420 mm x 845 mm	
Net Weight	≤ 20 kg	
Battery	48 V / 4.5 Ah	
Endurance	≤ 2 h	
Payload Capacity	≤ 10 kg	
Motion Speed	Bipod: < 1 m/s Biped: < 1 m/s Biwheel: ≤ 3 m/s	
Climbing Angle	≤30°	
Obstacle Clearance	≤20 cm	
Controller Configuration	12th Intel i3/16G/512G	
Camera	RGBD Camera	
IMU	✔	

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THANK YOU FOR WATCHING

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