

Xin Cheng Technology, leading the future of technology, innovating
with integrity, building dreams of endless possibilities.



XINCHENG TECHNOLOGY



**XINCHENG
TECHNOLOGY**

Leading the new trend in intelligent robots,
providing comprehensive solutions.

Sichuan Xincheng Robot Technology Co., Ltd.

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【Scan to know more】

Sichuan Xincheng Robot Technology Co., Ltd.



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COMPANY PROFILE

01

COMPANY PROFILE

Sichuan Xincheng Robot Technology Co., Ltd. (referred to as "Xincheng Technology"), is located in the vibrant and innovative Mianyang Science and Technology City New District. With a registered capital of 100 million, it set sail in June 2024. Relying on a top-notch research and development team and its own production base, it drives forward with a dual-wheel strategy, focusing on the cultivation and innovation in the field of intelligent robots. Relying on the profound industry accumulation and broad market vision, Xincheng Technology has not only inherited rich industry resources but also absorbed valuable market experience. This unique background has laid a solid foundation for the company's development, enabling it to rise rapidly in the field of intelligent robots and demonstrate formidable competitiveness.

In the field of research and development, Xincheng Technology has gathered a research and development team composed of industry elites and top technical talents. They uphold the spirit of innovation, are committed to breaking through technological barriers, and continuously promote the innovation and progress of intelligent robot technology. The company focuses on research and development investment, continuously optimizes product design, enhances product performance, and ensures precise market demand satisfaction.

In terms of production, Xincheng Technology has its own production base located in the High-tech Zone of Mianyang City, Sichuan Province, covering an area of over 1,000 mu with a factory building area of 500,000 square meters. It possesses advanced production equipment and manufacturing processes, building an efficient and precise production system. Through strict quality control processes, it ensures that every intelligent robot that leaves the factory meets the highest standards.

Innovation × Excellence × Serve

COMPANY STRENGTH



Technical Team

Possess a professional technology R & D team with rich experience.



Innovation Ability

Keep innovating and continuously launch competitive intelligent robot products.



Rely on the Background of shareholder

Have strong financial strength and abundant resource support.



Self-owned Production Base

Improve production efficiency, control costs, and promote technological innovation and R & D support.

COMPANY VISION



Determined to lead the field of intelligent robots, continue to innovate and pursue excellence!



We aspire to lead the field of intelligent robots. We will keep on innovating, pursue excellence, integrate cutting - edge technology and human - centered design, and create unprecedented experiences for users around the world. We aim to integrate intelligent robots into daily life, bringing wisdom and convenience. At the same time, we will go beyond the functional scope and promote emotional communication and cultural heritage.

In the wave of intelligence, we believe that intelligent robots will have their unique charm, adding color to life and conveying the technological warmth. We are committed to technological innovation and excellent service, making intelligent robots the messenger connecting the past and the future, allowing users to feel the humanistic care behind the technology while enjoying the convenience of technology, as well as the cultural and ideological depth.

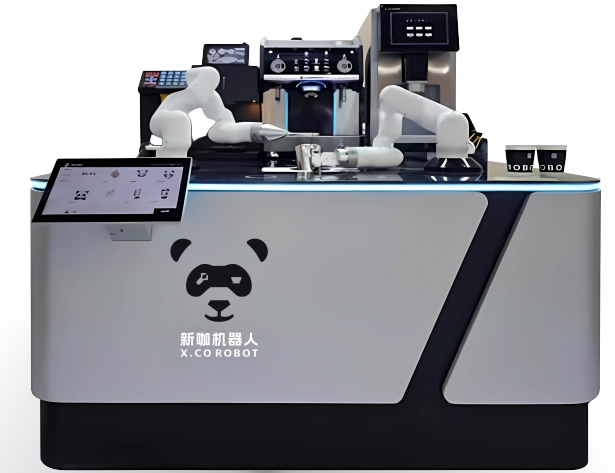
We sincerely invite partners from all over the world to jointly draw a new blueprint for intelligent robots, let the light of intelligence shine everywhere, and make every moment of life be full of surprises and possibilities.

PRODUCT INTRODUCTION

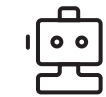
02

Product Overview

An automated coffee-making device that integrates advanced robotic arm technology, artificial intelligence, and Internet of Things technology, capable of efficiently and precisely completing the coffee brewing process, providing users with convenient and personalized coffee experiences.



Product Features



Full intelligence and high automation

Coffee robots can automatically complete the entire process from grinding coffee beans to brewing coffee, without the need for manual intervention.



Customization capability

Provides freshly ground, handcrafted latte art with exquisite taste, supporting personalized pattern printing.



Flexible deployment

Coffee robots have a small footprint, save space, and adapt to the needs of different scenarios.

TWO-ARM COFFEE ROBOT

- (TECHNOLOGY MODEL)

- **APPEARANCE DESIGN**

Streamlined design, smooth lines, simple appearance, fashionable technology.

- **MATERIAL SELECTION**

Select high-quality materials to ensure the durability and safety of the product.

- **FUNCTIONAL LAYOUT**

Rational layout, convenient operation, and enhancement of user experience.



[CORE PARAMETERS]

Device Name	Parameter
Robotic arm	6-axis industrial collaborative robot arm ×2
Cup dispenser	Supports 12oz paper cups, cup capacity (160)
Single operation	160 cups
Equipment size	1540mm*1540mm*1630mm Covering an area of 2.5 square meters
Equipment weight	540kg
Equipment power	Average 3000W, peak 5000W
Equipment voltage	220V/50Hz
Equipment operating time	24-hour continuous operation
Equipment cleaning	Automatic cleaning, daily automatic washing

[FUNCTION INTRODUCTION]

01

Fully automatic coffee making
Professional-grade coffee machines automatically complete grinding, temperature-controlled brewing, and pressure extraction, ensuring a rich and aromatic taste.

02

High-precision latte ar
Robotic arms combined with AI algorithms achieve sub-millimeter-level latte art, supporting classic patterns and custom designs.

03

AI Personalized Customization
User uploads images, AI automatically generates matching print patterns, achieving personalized customization.

04

Intelligent Parameter Adjustment
The sensor adjusts the grinding, water temperature, and extraction time in real-time, optimizing the coffee flavor.

05

Internet of Things Remote Control
Supports remote appointment booking, saving preferences, and personalized recommendations.

06

Pixel-level Latte Engine
Precisely control the foam flow rate and the movement of the robotic arm to ensure the details of latte art are perfect.

SINGLE-ARM COFFEE ROBOT

- **EXTERIOR & FORM FACTOR**

Minimalist, contemporary aesthetic with a fully enclosed body and a transparent glass viewing window, allowing users to watch the entire coffee-brewing process while combining tech appeal with visual enjoyment.

- **MATERIALS**

Premium-grade, food-safe materials for durability, easy cleaning and low-maintenance upkeep.

- **FUNCTIONAL LAYOUT**

Single-arm architecture delivers a compact, space-saving footprint. Enclosed operating zone ensures hygiene and safety, while the visual glass window enhances user interaction and engagement.



CORE PARAMETERS

Device Name	Parameter
Robotic arm	6-axis industrial collaborative robot arm ×1
Cup dispenser	Supports 12oz paper cups, cup capacity (150)
Single operation	150 杯
Equipment size	1400mm*1600mm*2100mm Covering an area of 2.5 square meters
Equipment weight	600kg
Equipment power	Average 3000W, peak 5000W
Equipment voltage	220V/50Hz
Equipment operating time	24-hour continuous operation
Equipment cleaning	Automatic cleaning, daily automatic washing

FUNCTION INTRODUCTION

- 01

Fully automatic coffee making
Professional-grade coffee machines automatically complete grinding, temperature control brewing, and pressure extraction to ensure a rich and aromatic taste.
- 02

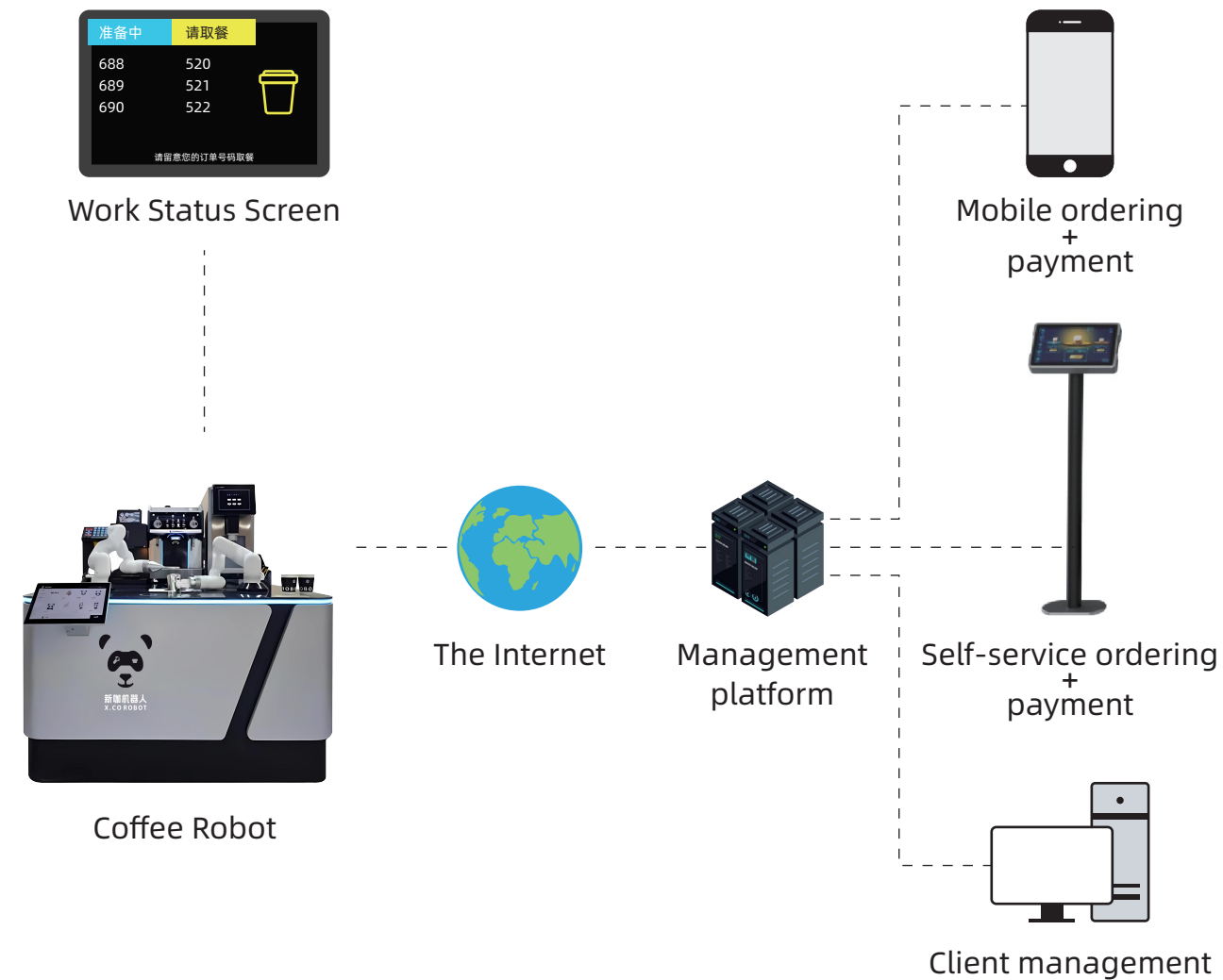
Intelligent Parameter Adjustment
Sensors adjust grinding, water temperature, and extraction time in real-time, optimizing coffee flavor.
- 03

Internet of Things Remote Control
Supports remote appointment booking, saving preferences, and personalized recommendations.

OPERATING SYSTEM

03

SYSTEM ARCHITECTURE



[LATTE ART PATTERN]



• Tulip •



• Leaves •



• Swan 1 •



• Swan 2 •

[PRINTING PATTERN]



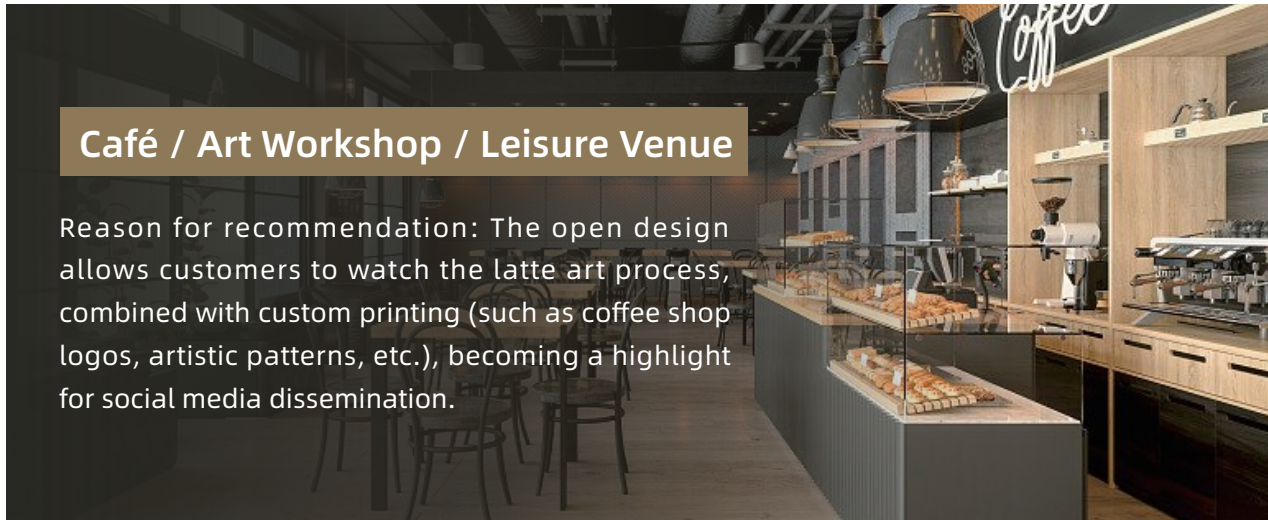
• Support personalized pattern printing to meet users' emotional needs. •

APPLICATION SCENARIOS

—

04

DUAL-ARM MODEL USAGE SCENARIOS



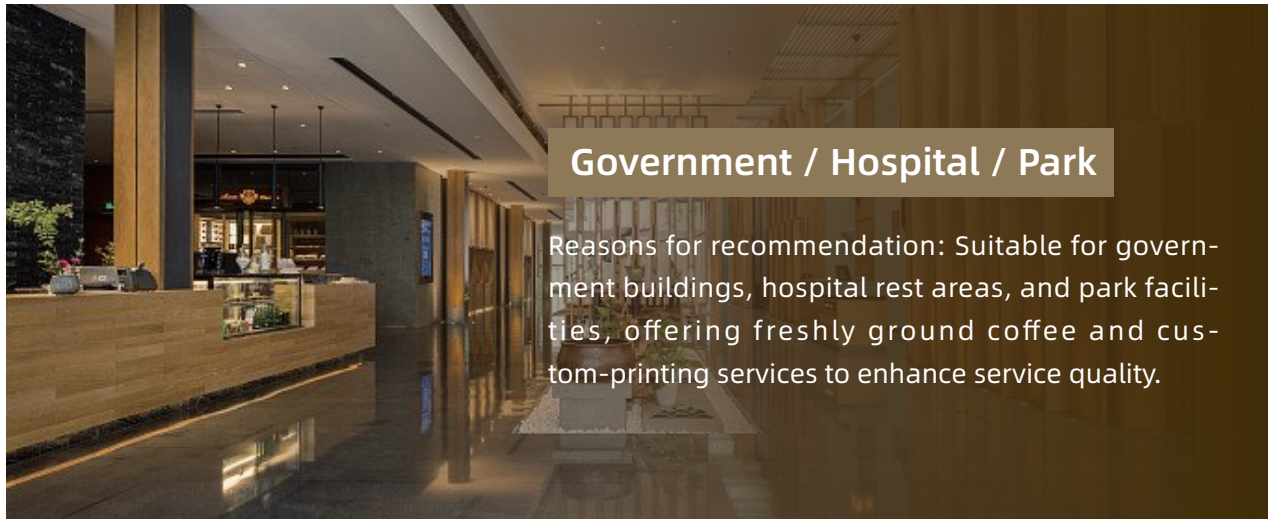
Café / Art Workshop / Leisure Venue

Reason for recommendation: The open design allows customers to watch the latte art process, combined with custom printing (such as coffee shop logos, artistic patterns, etc.), becoming a highlight for social media dissemination.



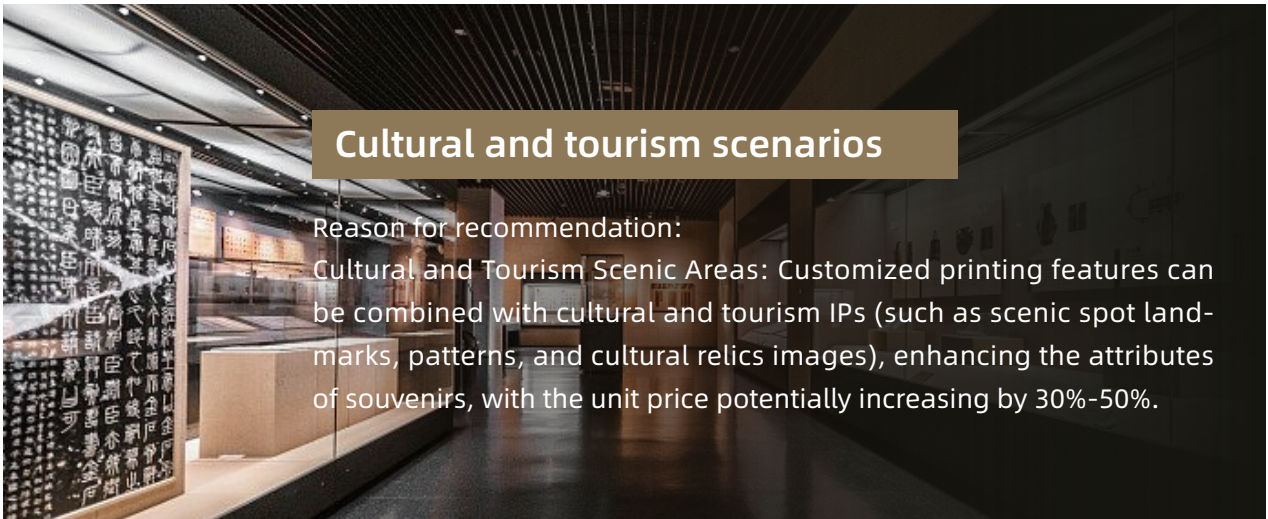
Hotel / Office Building / Shopping Mall

Reasons for recommendation:
Hotel: Supports guests customizing breakfast coffee through the APP completing latte art or foam with dual-arm collaboration, enhancing the high-end service experience.
Office building: Quick response to multiple orders during peak lunch break times, reducing waiting lines.
Shopping mall: Combines brand IP image displays to attract family customer interaction (such as customized children's hot chocolate).



Government / Hospital / Park

Reasons for recommendation: Suitable for government buildings, hospital rest areas, and park facilities, offering freshly ground coffee and custom-printing services to enhance service quality.



Cultural and tourism scenarios

Reason for recommendation:
Cultural and Tourism Scenic Areas: Customized printing features can be combined with cultural and tourism IPs (such as scenic spot landmarks, patterns, and cultural relics images), enhancing the attributes of souvenirs, with the unit price potentially increasing by 30%-50%.

SINGLE-ARM MODEL USAGE SCENARIOS

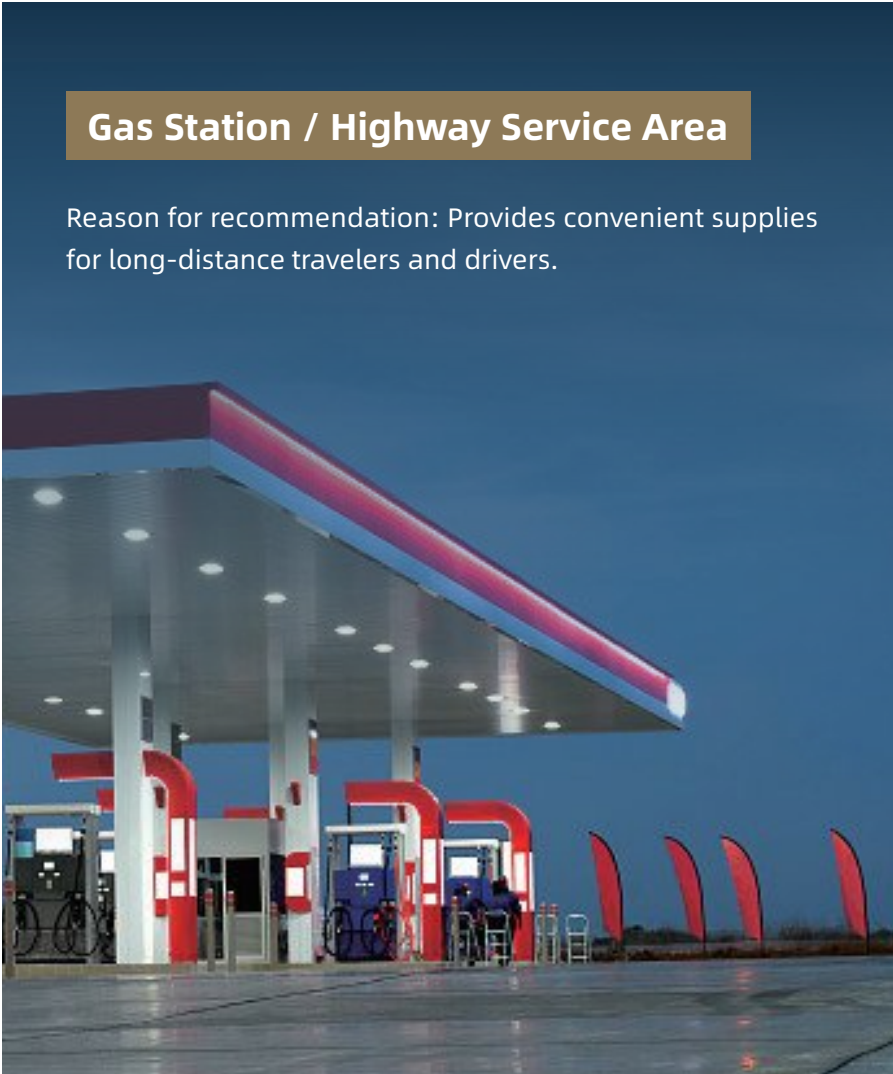
Single-arm model usage scenarios

Reasons for recommendation: Fully automated operation, supports rapid cup dispensing, does not require manual supervision, can be deployed at security checkpoints, waiting halls, and other areas, meeting the needs of passengers for instant purchase and departure.



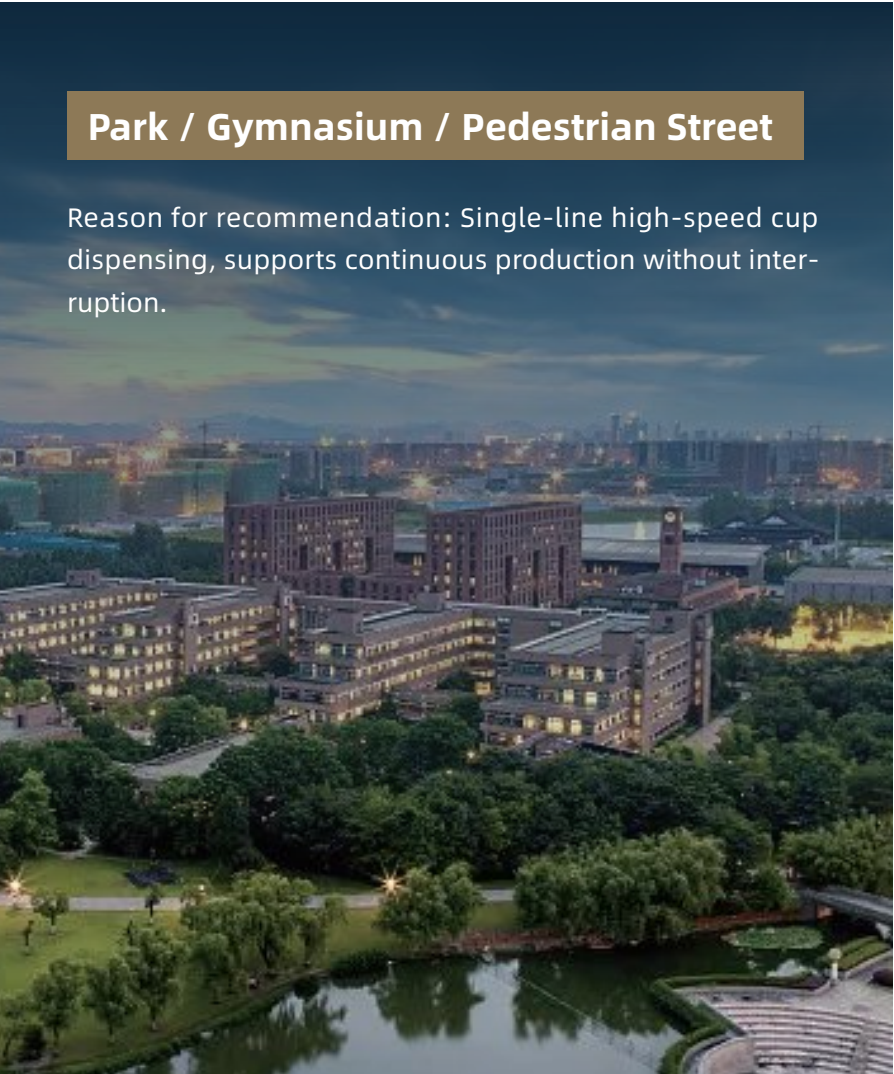
Gas Station / Highway Service Area

Reason for recommendation: Provides convenient supplies for long-distance travelers and drivers.



Park / Gymnasium / Pedestrian Street

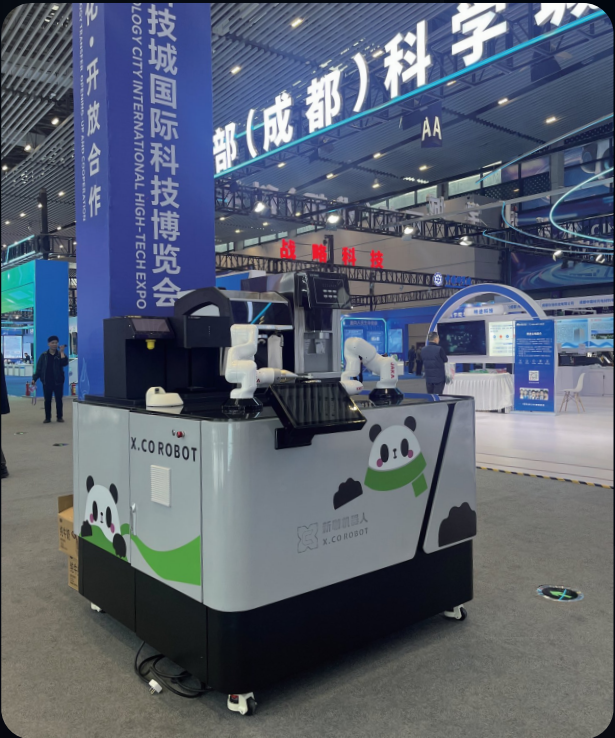
Reason for recommendation: Single-line high-speed cup dispensing, supports continuous production without interruption.



SUMMIT EXHIBITION



SUMMIT EXHIBITION



UNMANNED CAFÉ SOLUTION

X.CO ROBOT

05

“

Create a 24-hour unmanned intelligent coffee shop, utilizing coffee robots, the Internet of Things, mobile payments, and other technologies to provide consumers with convenient, efficient, and personalized coffee experiences.

”

MACCHIATO	3
CAPPUCCINO	3.5
LATTE	4
MOCHA	5
HAND POURED COFFEE	5
TEA	3.5



COFFEE SHOP DESIGN



COFFEE SHOP DESIGN



COFFEE SHOP DESIGN

无人咖啡厅



CAFÉ NETWORK OPERATION GROUP NETWORKING AND MONITORING DESIGN



Operations and Maintenance
Platform



+



+



+



COFFEE SHOP RENOVATION PLAN

06

“

Constructing a "Technology + Efficiency + Experience" integrated solution, we assist traditional cafes in completing intelligent transformation and upgrading, while reducing costs and increasing efficiency, we also open up new value growth points.

”



VALUE OF TRANSFORMATION

Transformation Value: Deploying a fully automated coffee-making system, integrating robotic arms, smart devices, and Internet of Things technology, to assist coffee shops in achieving three core values.

• THE THREE CORE VALUES •



Technological sense scene-based

Create a "Future Coffee Factory" visual experience to attract young customers and influencers for check-ins.



Operational efficiency doubled

Create a "Future Coffee Factory" visual experience to attract young customers and influencers for check-ins.



Cost Structure Optimization

Reduce 1-2 fixed personnel, achieving 24-hour unattended operation.

SYSTEM ARCHITECTURE DESIGN

Adopting a "1+5+N" modular architecture ensures flexible adaptation to different café / coffee shop space scenarios:

1unit

Cost Structure Optimization

The AIoT management platform provides real-time monitoring of device status, inventory, and order flow.

5major

Core module

- ① ix-axis collaborative robot arm (±0.1mm accuracy): Integrated with a visual positioning system to achieve cup grasping / latte art / delivery;
- ② Automatic Coffee Machine: Supports multi-beverage formula cloud configuration, dual boiler system ensures continuous production;
- ③ Intelligent Ice Management System: Ice maker with weighing sensor linked to produce temperature control;
- ④ 3D Printing Latte Art Machine: Customizable pattern library, supports customers scanning to upload personalized patterns;
- ⑤ Dynamic cup system: Cups are automatically recognized for falling, and faults are self-tested and alarmed.

Nunit

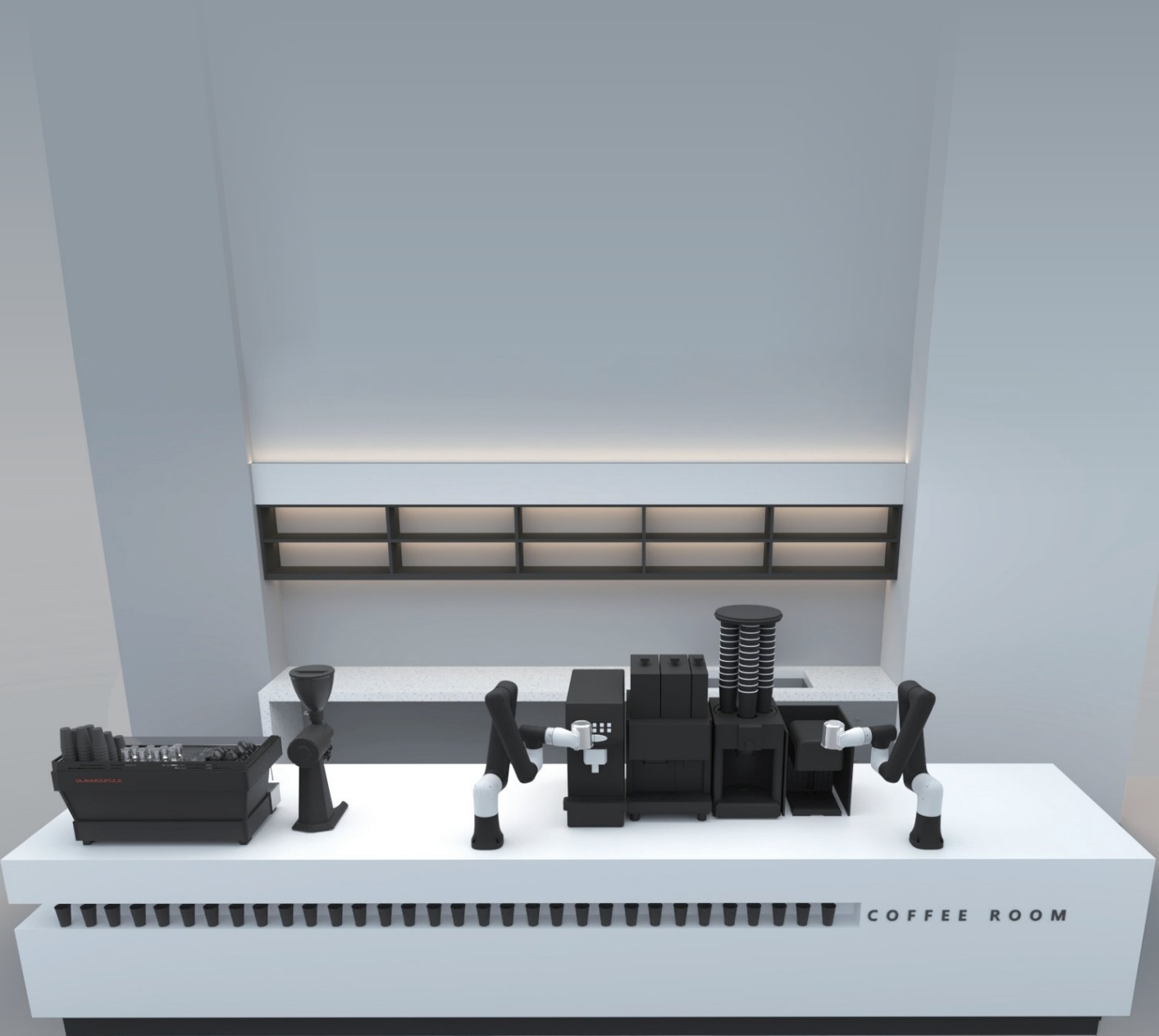
Extended Interface

Reserve payment system, membership .

COMPARISON DIAGRAM OF RENOVATION



• [Before the transformation] •



◦ [After the transformation] ◦