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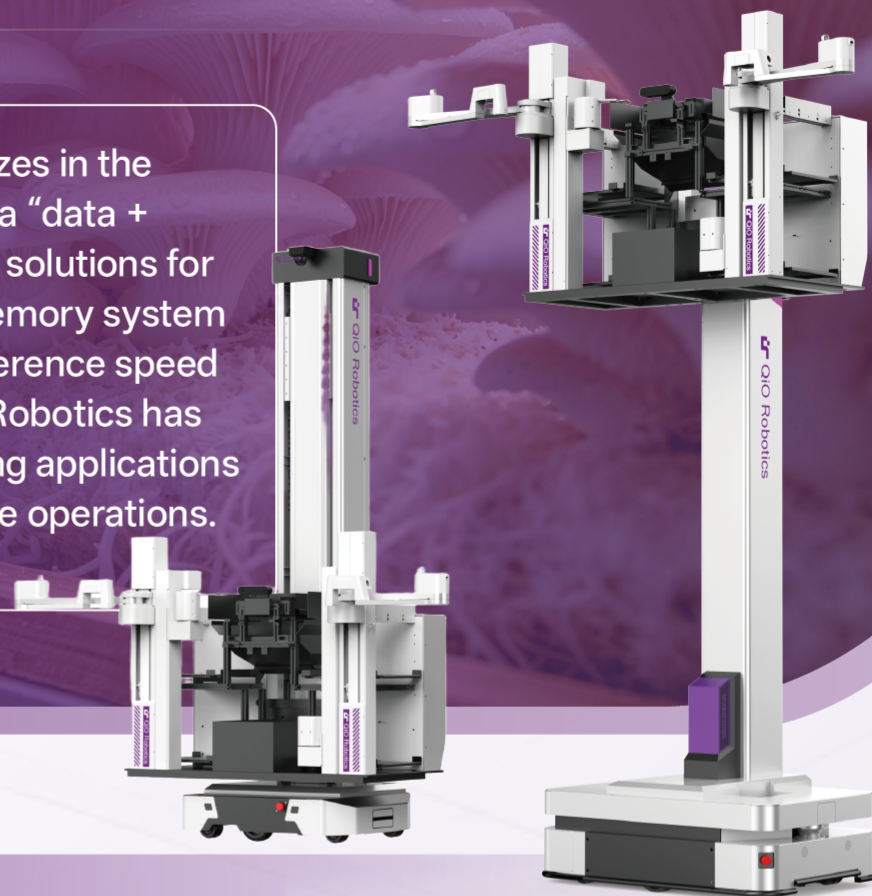
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QiO Robotics Button Mushroom Harvesting Robot

Harvest Like a Human !

Beijing Qiwu Technology Co., Ltd. (QiO Robotics), founded in July 2024, specializes in the development of on-device “brains” for embodied intelligent robots. Focusing on a “data + computing” technology roadmap, we provide integrated hardware and software solutions for embodied intelligence. We have pioneered a cerebrum–cerebellum long-term memory system and developed our own inference framework, achieving a fivefold increase in inference speed while balancing generalization capabilities with scenario-specific accuracy. QiO Robotics has established partnerships with multiple publicly listed companies, primarily serving applications in controlled-environment agriculture, logistics sorting, and fulfillment warehouse operations. We have also completed multiple rounds of market-based financing.



Advanced Harvesting System

Key Advantages

QiO Brain™—On-Device AI Brain

The next-generation VLA model, fully deployed locally, requires no cloud connection, achieving zero latency, independence, and autonomous decision-making.

Compact Dual-Arm Design

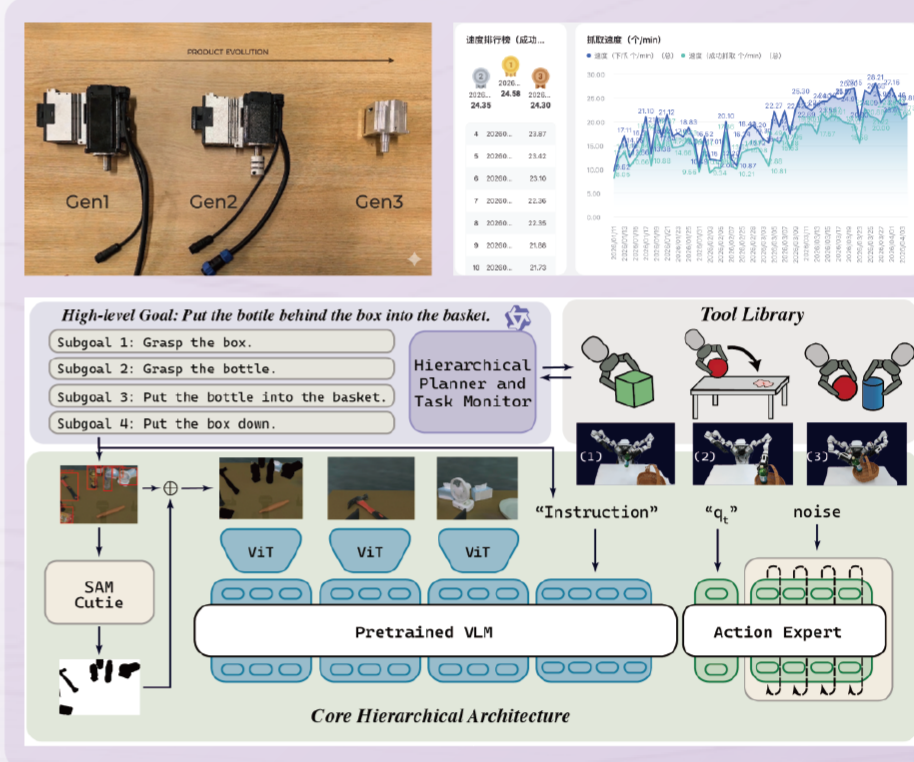
Independently developed ultra-compact motor, providing more space for mushrooms, enabling flexible mobility without occupying additional production line space.

Full-Process Autonomous Operation

Enables integrated operations of harvesting, root cutting, and sorting; plug-and-play, with no need to modify the production line, and capable of continuous operation.

Real-Time Harvesting Dashboard

Track daily production and quality data at any time, supporting remote monitoring and management.



Picking Speed

Average: **24** mushrooms/min · **34.6 kg/h**

Peak: **30** mushrooms/min · **43.2 kg/h**

Performance

99% Recognition Accuracy

95% Picking Success Rate

<5% Damage Rate

Up to **1.5x** Human Picking Speed

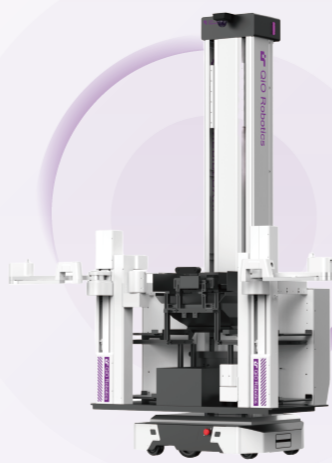
World-Leading Button Mushroom Harvesting Robot

QiO Robotics Product Matrix



H1 Extended-Length Robot

Specifically designed for 4-6-tier high-density mushroom houses, it features a greater operational reach and high load endurance capacity.



H1 Standard Harvesting Robot

A compact dual-arm design optimized for standard 1-3-tier growing beds, supporting fully autonomous operation for 6 hours.



O2 Embodied AI Robot

The QiO O2 supports multiple varieties, including button, shiitake, oyster, deer antler, and enoki mushrooms, and integrates stem trimming, sorting, weighing, and packing.

Function of Button Mushroom Harvesting Robot

Precise Grasp: High-Speed Picking



Automatic Root Cutting: Length Selectable



自动切根 模式可选
高度可调整：支持2mm、5mm、不切根模式

Intelligent Grading: Mushrooms Classified as A, B, and C



A级菇
35-65mm 菌盖、无切口、无破损

B级菇
35-65mm 基本菌盖、无切口、无破损

Multi-Device Collaboration: Efficient Work



多台协同 高效作业
支持4台、8台、16台机器人并行作业，独立工位

Dynamic Obstacle Avoidance: Autonomous Navigation



动态避障
厘米级定位能力，动态检测避障

Multi-Level Harvesting: Autonomous Lifting



自主升降 立体采摘
标准版通高1-3层
扩展版通高4-6层

Corporate Honors



Corporate Qualifications

ISO International Certification



EU CE Certification (CE / RoHS / REACH)



Commercialization Progress

Strategic Partner

Cooperative relationships have been established with several leading mushroom producers, including Junesun Fungi, Sylvan, and Zhongyu.



Completed the acceptance and delivery of the first batch of orders for European and American clients.

Nearly twenty units have been delivered so far.

It is expected that nearly one hundred units will be delivered in 2026.

World-Leading Button Mushroom Harvesting Robot