AGIBOT

“Create Unlimited Productivity via Intelligent Machines”

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Shanghai: Kangqiao Business Oasis, Caohejing, Pudong New Area
Beijing: Internet Financial Center, Haidian District
Shenzhen: Shenzhen Bay Technology & Ecology Park, Nanshan District

Data Collection Center
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AGIBOT Factory
Lin'gang Intelligent Manufacturing Park, Fengxian District, Shanghai

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Product Brochure

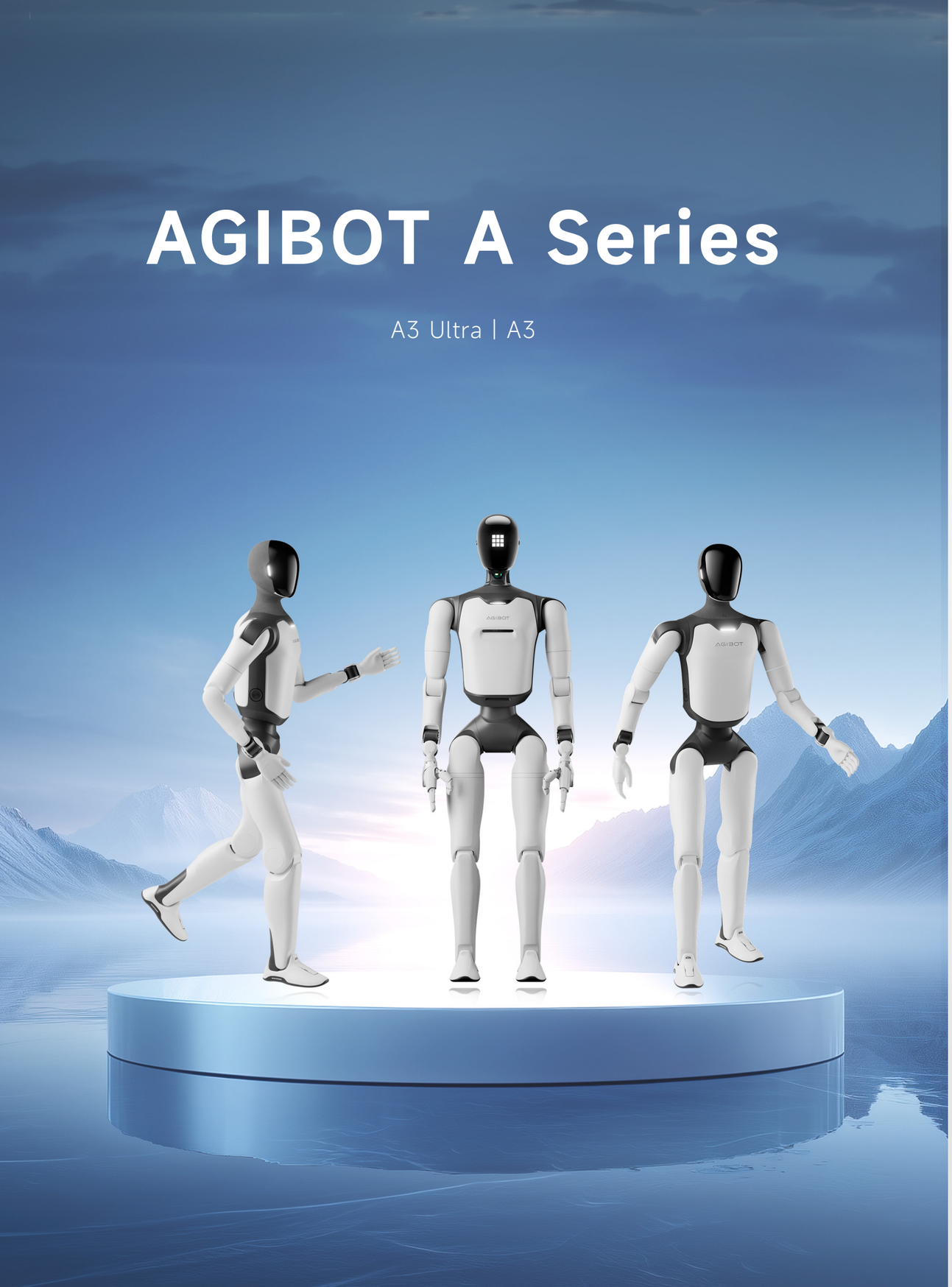


AGIBOT Innovation (Shanghai) Technology Co., Ltd

Create Unlimited Productivity via Intelligent Machines

AGIBOT A Series

A3 Ultra | A3



AGIBOT A3 Ultra

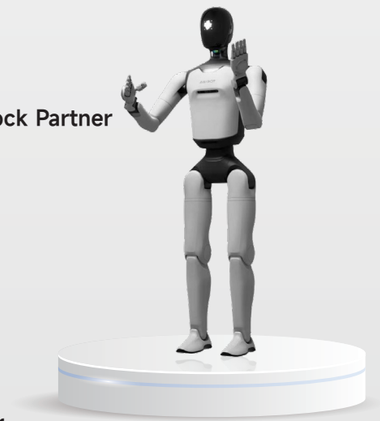
AGIBOT A3 Ultra is a commercial-grade,full-size,general-purpose humanoid robot, meticulously engineered. It fully inherits the motion and interaction capabilities of AGIBOT A3. Its 174 cm-tall slender frame enables seamless integration into human environments. Combined with an all-new robot body architecture and world-leading model capabilities, it delivers in 24/7 autonomous operation, versatile task execution, and all-domain safety—makeing it a "24/7 Productivity Partner."

Equipped with a 360° vision and LiDAR fused perception system, powered by full-performance computing and a self-developed three-tier heterogeneous computing architecture, it autonomously builds semantic environmental maps and navigates complex terrain with ease. It comes standard with an advanced omnihand capable of independently completing end-to-end tasks. With UWB + RTK dual-fusion centimeter-level positioning, it enables seamless indoor-outdoor navigation. Supported by fully autonomous charging, unattended operations and maintenance, four-layer active safety system, and refined through thousand-unit-scale mass production, it truly delivers out-of-the-box deployment and long-term reliability. It is widely adaptable to diverse scenarios including exhibition guided tours, hotel reception, shopping assistance, and other service senarios—bringing humanoid robots into everyday life.

Specifications

Height **174 cm**	Weight **60 kg**	Perception System **LiDAR + surround-view cameras + dual depth cameras for 360° all-domain perception**	Compute **700 TOPS full-performance flagship compute**
Positioning System **UWB indoor + RTK outdoor dual-fusion positioning, accuracy < ±1 cm**	Hand Configuration **Advanced omnihands with up to 20 DOF, omnidirectional tactile sensing**	Standard Battery Life **8-hour long-duration operation**	
Charging Method **Autonomous plug-in charging + 10-second battery swapping**	Network Configuration **Dual-band global 5G, dual eSIM + physical SIM support**		
Swarm Control Capability **Supports hundred-unit coordination, compatible with LinkBots swarm control technology**	Deployment Features **Autonomous box entry/exit, single-person deployment, support unattended operation and maintenance**		

Product Highlights



24/7 Autonomous Operation · Your Reliable Around-the-Clock Partner

- LiDAR + multi-camera sensor fusion delivers 360° all-domain environmental awareness, overcoming the limitations of vision-only approaches
- 700 TOPS full-performance compute paired with a self-developed three-tier heterogeneous computing architecture enables autonomous task decomposition, path planning, and dynamic obstacle avoidance,eliminating the need for manual remote control
- 8-hour commercial-grade battery life with autonomous charging by locating the charging station and plugging in,10-second battery swapping, and a custom ADU air-cooling system for continuous 24/7 operation

Versatile Task Execution · A Capable Autonomous Partner

- Inherits A3's high-performance motion system and capabilities, equipped with industry-leading perception-control fusion technology for effortless traversal of complex terrain, including stairs and slopes
- Standard up to 20-DoF omnihands with omnidirectional tactile sensing for stable manipulation of objects from paper to 5 kg.
- Few-shot self-learning framework enables rapid skill acquisition from a single demonstration; natively compatible with LinkCraft and LinkSoul platforms for customizable motion choreography and character personas
- Inherits multimodal interaction capabilities and golden-ratio proportions, excelling across all scenarios including exhibition narration, hotel reception, retail guidance, and front-desk services

Comprehensive Safety · A Trusted, Gentle Companion

- Four-layer safety system: active perception with 3-meter-ahead risk prediction, passive force-control with contact-triggered stop, dual emergency stop with millisecond-level power cut-off, and intelligent fall protection to safeguard both humans and robots
- Validated through thousands of extreme-condition tests covering collisions,drops,and high/low temperature scenarios; human-robot interaction remains safe and controllable across diverse scenarios, enabling reliable commercial deployment
- Innovative hybrid chassis design combining magnesium alloy with a proprietary high-performance carbon fiber nylon composite, delivering higher motion efficiency, stronger dynamic response, and more stable reliability

All-Domain Connectivity · Seamless Indoor-Outdoor Collaboration

- UWB (indoor) + RTK (outdoor) fusion delivers centimeter-level positioning,with out-of-the-box deployment and seamless indoor-outdoor switching.
- Dual-band 5G global connectivity with dual eSIM and physical SIM support for global deployment, ensuring low-latency stable connections
- Natively compatible with LinkBots platform and its swarm control technology, supporting coordinated operation across hundreds of robots for efficient large-scale deployment and management

Premium Quality · Proven Stability and Reliability

- A pioneer in thousand-scale mass production of full-size humanoid robots, production-proven reliability, built on multiple product generations
- 92-step comprehensive inspection process following stringent automotive-grade testing standards, with core components validated for tens of thousands of hours of endurance, ready for long-term scaled commercial deployment

Reliable and User-Friendly · Effortless Out-of-the-Box Experience

- Retaining the A3's convenient deployment advantages, with shoulder touch sensing, autonomous entry into and exit from its transport case, foldable storage, SUV transportability, and rapid single-person deployment.
- End-to-end unattended operations and maintenance system with automatic fault self-diagnosis and modular design for easy maintenance, significantly reducing operational labor costs
- Fully open interfaces for advanced custom development, compatible with research, education, and customized scenario expansion needs

Application Scenarios

Reception & Guided Tours

Corporate showroom guided tour, hotel lobby reception, government front-desk duty, and office building visitor navigation—delivering 24-hour standardized service



Shopping Assistance

In-store/retail kiosk guidance, brand event interaction, and commercial district tours—autonomously completing presentations, guidance, and customer interactions



Patrol & Inspection

Outdoor park patrols, data center and facility checkpoint inspection, and environmental status monitoring—achieving long-distance autonomous operations with RTK precision positioning



Research & Education

Cutting-edge research, education, and secondary development in embodied AI



Data Collection

One-stop full-size humanoid data collection solution integrating data collection, training, evaluation, and deployment to simplify embodied intelligence data acquisition challenges



Stage Performance

Full retention of dance, formation, and customized performance capabilities—one device serving both daily commercial use and event exhibitions



AGIBOT A3

AGIBOT A3 is a new-generation full-size humanoid robot launched by AGIBOT in 2026, positioned as a "silicon-based star born for the stage". Weighing only 55kg yet delivering 12kW of instantaneous power, it achieves an industry-leading power-to-weight ratio of 0.218 kW/kg, enabling high-difficulty maneuvers such as aerial walking. It features a model-grade physique with fully customizable appearance and roles. Its dual-battery design delivers 10-hour extended endurance, with fast battery swapping without shutdown. Additionally, every A3 comes standard with swarm control technology, enabling seamless coordination of hundreds of units. Combined with multimodal perception and other intelligent capabilities, it stands out as a top performer in entertainment and commercial performance sector.

Specifications

Height	Weight	Endurance	Power-to-Weight Ratio
173 cm	**55 kg**	**10 h**	**0.218 kW/kg (industry-leading, delivering exceptional burst performance)**

Battery	Positioning
Dual battery packs · 1152 Wh · Full-tab cells	**Standard UWB, single-unit accuracy <±10 cm**

Fleet Control	Network	Positioning
Supports precise coordination of 100+ units	**Dual-module 5G with dual-SIM support**	**Autonomous case loading and unloading; deployable by a single operator**

Highlights

Exceptional Performance, Extreme Lightweight

- 150 A maximum current, 12 kW power, and a 0.218 kW/kg power-to-weight ratio, comparable to million-dollar supercars. It can perform not only somersaults but also aerial walking
- Constructed with magnesium alloy, titanium alloy, and TPU flexible materials, creating an ultra-lightweight 55 kg body
- Natively compatible with LinkCraft, enabling everyone to freely create motions; with a rich content ecosystem for easy uploading and downloading

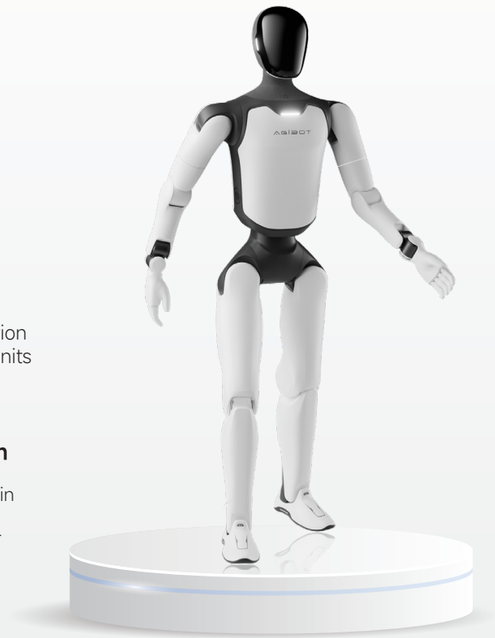
Extended Endurance, Instant Battery Swap

- Innovative dual-battery and full-tab cell technology, with industry-leading power management, delivering up to 10 hours of endurance
- Redundant dual-battery design for more stable and safer power supply
- Supports fast hot-swappable battery replacement for 24-hour continuous operation; 10-second battery swap makes range anxiety a thing of the past



Striking Design, Fully Customizable

- 173 cm golden ratio, model-grade head-to-body proportions, powerful on the inside with a refined, elegant exterior
- Slender limbs and graceful posture; highly versatile styling that suits any outfit, truly a "walking wardrobe"
- Supports customization from color film application to full housing customization, and also enables character design via LinkSoul to meet diverse customer customization needs



Superior Swarm Control, Hundreds in Sync

- Standard UWB centimeter-level fusion positioning solution enables coordinated swarm operation of hundreds of units out of the box, with no modifications required.

Enhanced Interaction, Seamless Communication

- Industry-first shoulder touch sensing redefines interaction in the embodied era; combined with voice and multimodal interaction for barrier-free communication and strong user affinity
- 360° omnidirectional audio pickup with multi-array microphones ensures clear recognition even in high-noise environments
- Standard 5G global connectivity: eSIM + SIM card (card slot SIM), with domestic LGA module and overseas M.2 modules, ensuring connectivity without limits

Reliable Platform, Easy Deployment

- Full-size humanoid robot that is portable by a single person; foldable packaging, autonomous case loading and unloading, and can be easily transported in an SUV.
- Inherits the excellent DNA of AGIBOT A2, having passed 92 automotive-grade rigorous tests before delivery, with a designed lifespan of up to 3 years
- Fully open interfaces support secondary development and are compatible with entertainment, commercial performances, scientific research, and education scenarios—one base, enabling endless possibilities

Application Scenarios

Commercial Performances

Top-tier dancers/martial artists, brand ambassadors, and dynamic art installations



Interactive Entertainment

Self-posing cosplayers, tech influencers in live streams, and themed park tour guides



Research and Education

Cutting-edge research in embodied AI



AGIBOT G Series

AGIBOT G2 | Genie Sim 3.0 | Genie Studio 2.0

All In AI | Open Ecosystem



AGIBOT G2

AGIBOT G2 is an industrial-grade interactive embodied operation robot engineered for industrial, commercial, and research environments. It integrates high-performance actuators, multi-modal sensors, a domain controller, and an advanced spatial perception system to deliver omnidirectional obstacle avoidance, high-precision force-controlled manipulation, and real-time multi-user intelligent interaction.With 26 degrees of freedom (DoF) across the entire body, the G2 enables lifelike head and waist articulation for natural human-robot engagement. Dual-battery hot-swapping and autonomous return-to-charging capabilities ensure continuous, uninterrupted operation in demanding 24/7 workflows.A comprehensive suite of SDK interfaces provides extensive extensibility and deep customization, enabling flexible integration and scenario-specific deployment across diverse operational contexts.

Specifications

Dimensions (L×W×H)	Chassis Movement Mode	Maximum Movement Speed	Single Arm Rated Payload
760mm × 640mm × 1225-1795mm	**Ackermann steering, in-place rotation, and omnidirectional lateral movement**	**1.5 m/s**	**5 kg**

Total Degrees of Freedom (excluding end effector)	Arm Force Control	Embodied Edge Computing Platform	Perception Sensors
26	**Full Joint**	**NVIDIA Jetson T5000 2070 TFLOPS (FP4)**	**Fisheye Camera ×3+3D LiDAR ×2+Binocular Camera ×1+Head RGBD Camera ×1+Wrist RGBD Camera ×2+Ultrasonic Sensor ×8**

Highlights



Full-Joint Torque Sensing for Sub-Millimeter Precision Force Control

- Equipped with a 7-DoF humanoid force-control arm and full-joint torque sensing, the system achieves sub-millimeter-level precision. It supports high-precision tasks such as force-guided hole alignment and peg-in-hole operations, significantly expanding fine-manipulation use cases.

Dual Active–Passive Safety System for Comprehensive Protection

- A triple-sensor architecture builds a blind-spot-free safety network. Active obstacle avoidance combined with collision force dissipation ensures safe human–robot collaboration with minimal operational risk.

High-DoF Humanoid Design for Natural Full-Body Motion

- Featuring a humanoid design with 26 full-body DoF, it delivers natural and expressive head and waist motion control. The robot chassis adopts a four-steering-wheel design, enabling omnidirectional mobility.

Dual-Battery Hot Swapping for Longer Operations

- Supports hot-swappable batteries and autonomous recharging, enabling continuous 24/7 operation and significantly improving operational efficiency.

Application Scenarios

Industrial Handling



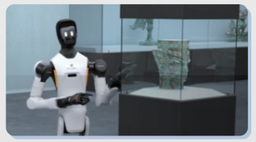
Logistics Sorting



Precision Operations



Commercial Guidance



Security Inspection



Patrol Inspection



Retail

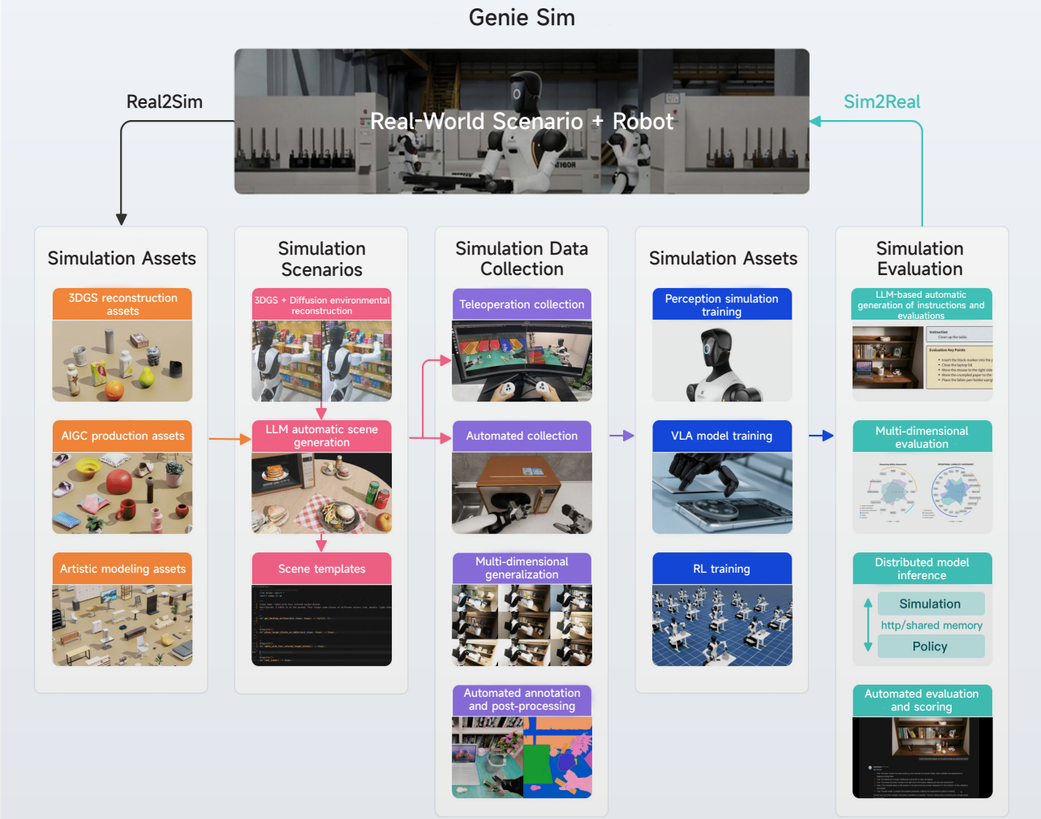


Scientific Research

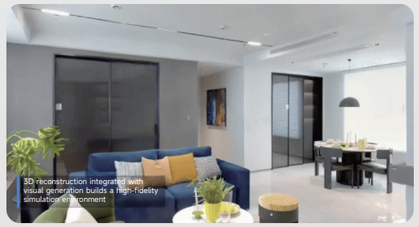


Genie Sim 3.0

Genie Sim 3.0 integrates 3D reconstruction and visual generation to create digital twin-level high-fidelity environments. It pioneers LLM-driven scene generalization technology, enabling generation of tens of thousands of scenes in minutes. It also open-sources a simulation dataset with over 10,000 hours of real robot operation scenarios, and builds a multi-dimensional intelligent evaluation system covering 100,000+ scenes to provide a comprehensive profile of model capabilities.



Five core highlights, ushering in a new era of embodied simulation



01

Digital Twin-Level High-Fidelity Simulation Environment

Genie Sim 3.0 integrates 3D reconstruction, visual generation, and a physics engine, achieving unified visual realism and physical accuracy.

- Precise reconstruction: MetaCam combines multiple sensors with RTK to achieve millimeter-level environment replication.
- Visual enhancement: Visual generation models synthesize new perspectives to enhance simulation realism.
- Asset generation: High-precision simulation models can be generated from a 60-second 360° capture video, improving modeling efficiency.

02

Pioneering Natural Language-Driven Scene Generation and Generalization

Genie Sim 3.0 supports natural language-driven, minute-level automatic generation and generalization of massive scenes.

- Conversational creation: Input natural language instructions to automatically build structured simulation scenes.
- Intelligent editing and generalization: Supports conversational augmentation, detail adjustment and layout tuning to output target scenes.

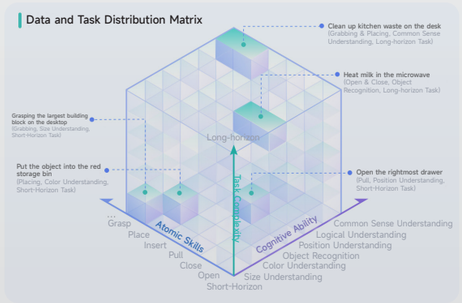


03

Fully Open-Source Simulation Dataset and Efficient collection Solution

It provides the largest open-source dataset in the embodied AI field, covering more than 200 tasks and over 10,000 hours of operation, laying a solid data foundation for model development.

- Multi-dimensional data: Includes multi-sensor information such as RGB-D, binocular vision, and full-body joint states, covering diverse generalization conditions.
- Intelligent collection tools: Dual-mode collection + automatic annotation for effective data production.
- Error recovery mechanism: Automatic fallback and resume collection upon task failure to reduce data loss.
- Zero-shot Sim2Real: After training, simulation training can be transferred to physical machines with zero-shot, achieving better results than training with real-world data.

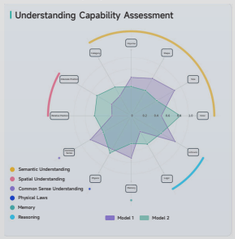


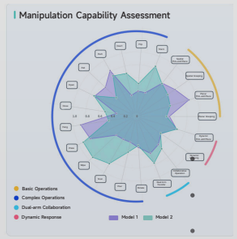
04

100,000+ Simulation Scenarios for Comprehensive Model Capability Profiling

Based on over 100,000 scenarios, a multi-dimensional evaluation system is established, integrating LLM and VLM technologies to map in-depth capability profiles for models from multiple dimensions. It is the most comprehensive and authoritative evaluation benchmark for embodied AI models in the industry today.

- Automated evaluation generation: LLM automatically generates evaluation instructions and converts them into executable workflows.
- Multi-dimensional in-depth evaluation: VLM conducts comprehensive evaluation from multiple aspects to clarify capability boundaries and optimization directions.
- Sim-to-Real consistency: The difference between simulation and physical evaluation is < 10%, enabling efficient validation without physical hardware.





05

Covers Real-World Operation Scenario Simulation

Built on AGIBOT's experience in large-scale commercial and industrial deployment, Genie Sim 3.0 is the first open-source platform that deeply integrates simulation data collection and evaluation for real-world operation scenarios, bridging the gap between laboratory algorithms and industrial implementation.

- Real-world scenario restoration: Covers industrial and commercial scenarios such as supermarkets, logistics, power grids and production lines.
- Full-process simulation validation: Rapid generates data and evaluations to reduce costs and improve efficiency, enabling zero-hardware deployment validation.

Genie Sim 3.0 - Homepage

Genie Sim 3.0 - GitHub

Genie Studio 2.0

One-Stop Embodied AI Operations Platform

Simpler Development · Faster Deployment · Smarter Operations.

Genie Studio 2.0 is an industry-first, one-stop platform that streamlines the entire robot application lifecycle—from model iteration and application development to deployment, fleet operations, and data feedback.

Overall Platform Architecture

Genie Studio 2.0 unifies model evolution, scenario deployment, and fleet operations.

Genie Studio Flywheel
Embodied Model Development

End-to-end data, training, evaluation, and deployment for continuous AI evolution.

Genie Studio Agent
Low-Code Application Orchestration

Drag-and-drop workflows for faster production-line deployment.

Genie Studio Monitor
Multi-Robot Fleet Operations

Real-time monitoring and remote intervention for stable production at scale.

With Flywheel driving Aliteration, Agent lowering deployment barriers, and Monitor ensuring stable production

01 **Model Development**
Collection
Training
Evaluation
Deployment

02 **Task Definition**
Application Scenario
Task Breakdown

03 **Application Orchestration**
Workflow Orchestration
Skill Invocation
Simulation Validation

04 **Runtime Supervision**
Task Execution
Monitor Alerting
Remote Teleoperation

05 **Feedback-Driven Evolution**
Data Feedback
Continuous Evolution

Product Value

Efficiency
Standardized workflows and toolchains shorten the cycle from solution design to go-live.

Cost-Effectiveness
Reusable platform capabilities and assets reduce development and operations costs.

Stability
A unified monitoring and operations system improves robot operational stability.

Iteration
Data feedback and the embodied intelligence flywheel continuously optimize robot capabilities.

Scalability
Modularized assets enable rapid replication and scalable delivery.

Genie Studio Flywheel

Embodied Model Iteration and Development Platform

Genie Studio Flywheel builds the foundation for embodied AI evolution. With a complete toolchain spanning data collection, simulation-based evaluation, model training, and online deployment, it creates a continuously iterative AI model flywheel that enables robots to become more capable and stable with use, accelerating the deployment and application of embodied AI technologies.

Customized Data Collection Solutions

AGIBOT World
Million-Scale Real-Robot Open-Source Dataset

Genie Sim
Open-Source Simulation Development Platform

Dataset Management
Filtering
Processing
Backflow

Model Pre-Training

GO-2 Base Model

Image Perception Models

Model Post-Training
Full Tuning
LoRA
Real-Robot Rl

Simulation Evaluation
Closed-Loop Testing
Long-Horizon Task Evaluation
Consistency Evaluation

Model Inference
Model Optimization
Model Deployment
Version Management



Core Functions

01 Data Collection

Collect, annotation QA,process,and manage real-robot, simulation, and open-source data to build high-quality datasets.

02 Model Training

Train VLA and real-robot RL models with integrated frameworks, experiment management, and compute scheduling.

Data Flywheel
Continuous Model Optimization

03 Simulation Evaluation

Deploy optimized models to robots with compilation, quantization, version management, and edge deployment.

04 Model Deployment

Evaluate models with Genie Sim Benchmark, automated testing, and comprehensive performance reports.

Product Value

Accelerated Real-Robot RL

Powered by a self-developed RL training framework and validated in real-world projects, enabling convergence within hours and achieving a 99% success rate.

Multi-Robot, Multi-Scenario Generalization

Supports rapid transfer and scalable reuse across multiple robots and scenarios.

Engineering-Ready Development

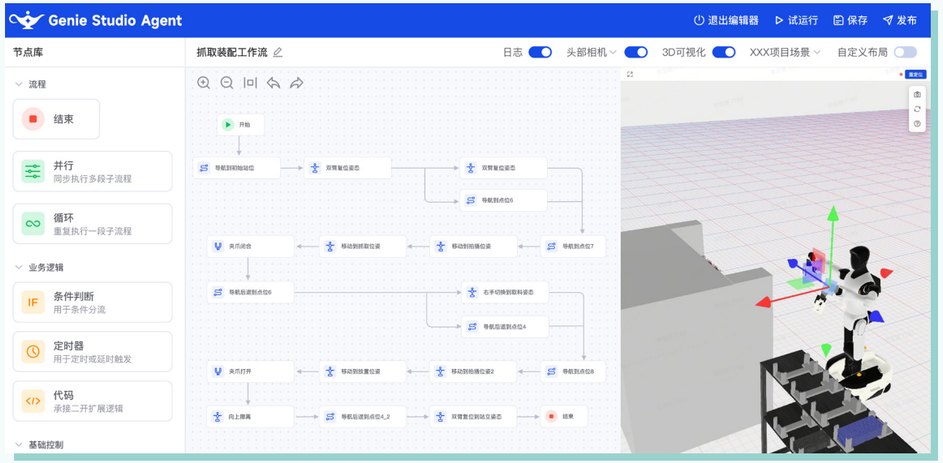
Unifies data, model, compute, and deployment management to improve development efficiency and accelerate large-scale deployment.

Genie Studio Agent

Low-Code Scenario Orchestration and Deployment Platform

Designed for real-world operational scenarios, it provides an integrated application development capability spanning task orchestration, skill execution, and simulation validation through to physical robot deployment—**making robot application development faster, simpler, and more replicable.**

Core Functions



01 Visual Workflow Orchestration

Build robot applications with drag-and-drop low-code workflows, supporting branching, loops, conditions, and exception handling.

02 Robot Skill Library

Combine built-in skills such as navigation, motion control, force control, grasping, QR localization, and RL inference to create complex workflows.

03 Simulation Validation

Validate workflows with simulation, collision detection, runtime logs, and pose import before real-robot deployment.

04 Open Extensibility

Extend applications with Python scripting, open APIs, third-party integration, and custom logic

Product Value

Low-Code Development

Drag-and-drop workflow orchestration makes robot application development simpler.

Fast Delivery

Simulation-first development and ready-to-run real-robot deployment shorten the cycle from application development to on-site delivery.

Scalable Replication

Accumulated workflows, skills, and operational experience support reuse across multiple projects.

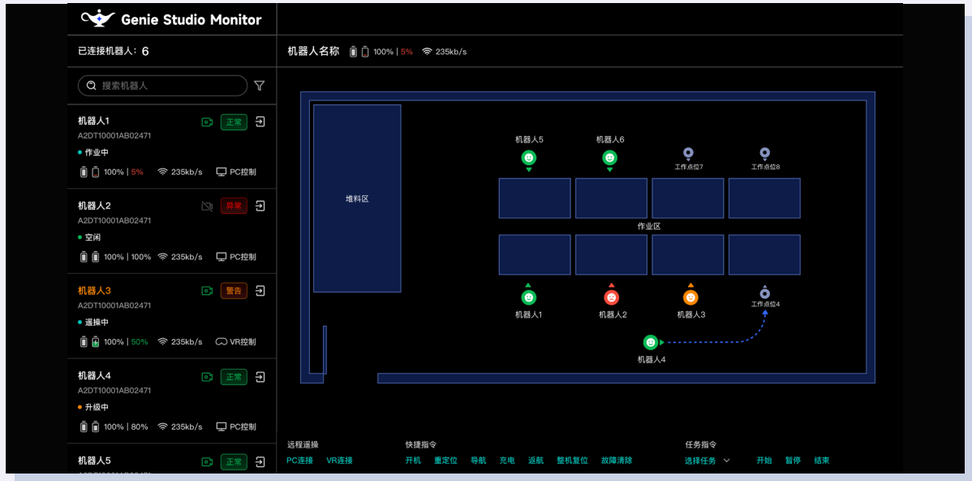
Genie Studio Monitor

Fleet-Wide Multi-Robot Operations Platform

Global Visibility · Remote Management · Continuous Evolution

Genie Studio Monitor serves as the fleet-wide operations hub for robot fleets, providing device monitoring, data analytics, exception alerts, remote operations and maintenance, and data feedback to ensure stable fleet performance, continuous application optimization, and scalable operations.

Core Functions



01 Fleet Management

Multi-robot task scheduling, group management, and global visualization.

02 Unified Monitoring

Status monitoring, runtime statistics, and task progress at a glance.

03 Remote Intervention

Remote operation and online debugging to quickly resolve on-site issues.

04 Exception Alerts

Fault diagnosis, fault prediction, and exception event tracking.

Product Value

Visible

Comprehensive visualization for full visibility into overall runtime status.

Controllable

Remote intervention and multi-robot scheduling to ensure stable operations.

Optimizable

Data feedback and analysis to enable continuous optimization and iteration.

Replicable

Accumulated operational experience supports replication of models and applications.

All In AI

Real-World Data × Foundation Models Powering the Core Engine for Embodied AI

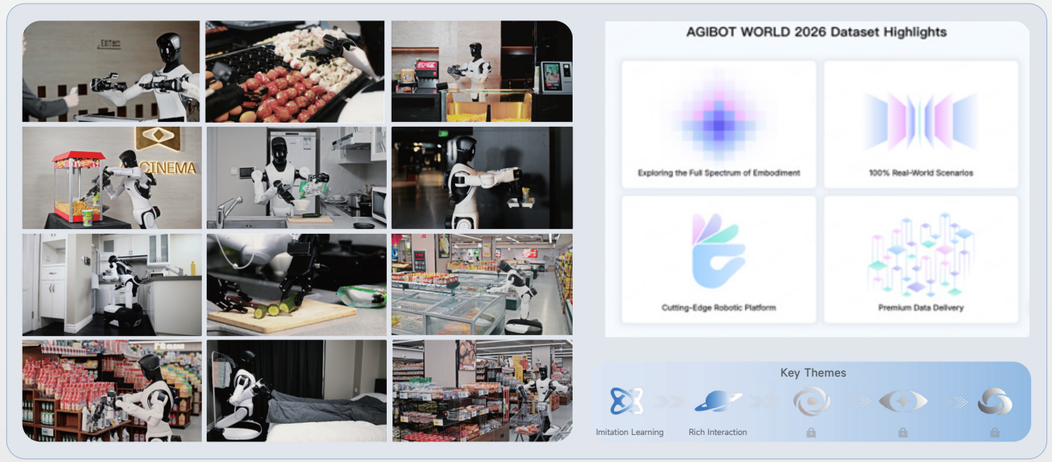
AGIBOT WORLD 2026

AGBOT WORLD 2026 - Homepage

AGBOT WORLD 2026 - Hugging Face

The First Open Dataset Covering Core Research Areas of Embodied AI

Building on the success of AGIBOT WORLD, with over 1M downloads and broad adoption across academia and industry, AGIBOT WORLD 2026 delivers a new generation of open embodied AI data featuring 100% real-world scenarios, five core research themes, 1:1 digital twins, and standardized benchmarks. More datasets and scenarios will be released progressively, providing a continuously evolving foundation for embodied AI training, evaluation, and deployment.



1M+ Downloads

The two phases of datasets have been widely used by global developers, continuously driving research in embodied AI.

100% Real-World Data

AGIBOT WORLD 2026 provides real robot operational data, covering complex tasks, random perturbations, and real-world interactions.

5 Research Themes

AGIBOT WORLD 2026 systematically covers key research directions of embodied AI, with a continuous release of more data and typical scenarios.

1:1 Digital Twin

AGIBOT WORLD 2026 provides open access to both real-robot and simulation environments, accelerating model training and Sim2Real

GO-2 Foundation Model

Action Chain-of-Thought × Asynchronous Dual-System Bridging Reasoning and Execution

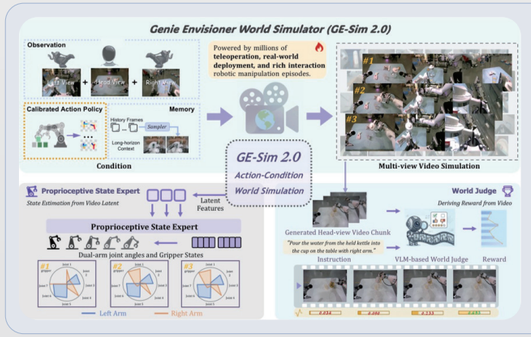
The GO series continues to advance the Vision-Language-Action (VLA) paradigm. GO-1 unified vision, language, and action, enabling robots to perceive, understand, and plan. GO-2 introduces Action Chain-of-Thought (Action CoT) and an Asynchronous Dual-System architecture, bridging the gap between planning and execution to deliver reliable real-world robotic intelligence.



Genie Envisioner 2.0 A World Model Framework for Embodied AI

World Action Model × World Simulator Driving Continuous Robot Learning

Genie Envisioner 2.0 combines GE-Act and GE-Sim 2.0 into a unified world model framework, enabling action generation, world learning, and continuous policy evolution. GE-Sim 2.0 advances from Simulation to World Learning, integrating reinforcement learning, policy evaluation, and real-time interaction to provide a unified foundation for embodied AI and accelerate Sim2Real. GE-Sim 2.0 currently ranks #1 on 2026 WorldArena Track 1 for world models.





WORLD NO.1! Agibot Wins the WorldArena World Model Overall Championship!

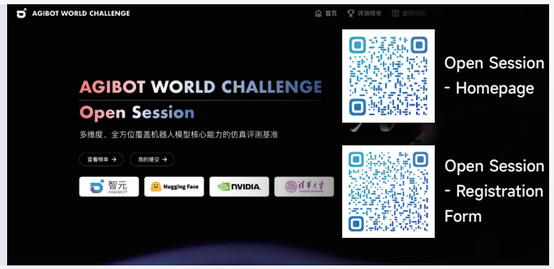
Open Ecosystem

Competitions × Benchmarks Building The Future of Embodied AI

AGIBOT WORLD CHALLENGE Open Session

——A 24/7 Public Benchmark for Embodied AI Measuring Real-World Intelligence

Built on Genie Sim Benchmark, Open Session is a high-fidelity evaluation platform for researchers, developers, and ecosystem partners. Leveraging benchmark experience from IROS 2025 and ICRA 2026, the platform combines realistic simulation, real-world perturbations, comprehensive evaluation, and foundation-model baselines to provide reliable and reproducible model assessment.



<10% Sim2Real Gap
High-fidelity simulation delivers results that closely match real-world robot performance.

4 Dimensions · 42 Evaluation Tasks
Comprehensive evaluation across 4 capability dimensions, including Instruction , Robustness, Manipulation and Spatial

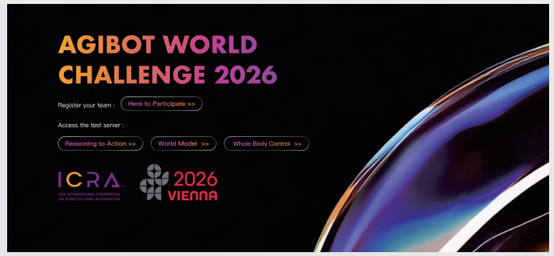
5-Min Integration · 30-Min Evaluation
Complete evaluation in 30 minutes with a ready-to-use benchmarking pipeline.

3+ Mainstream Model Baselines
Compare against ACoT-VLA, π, GR00T, and other leading models to benchmark performance quickly.

AGIBOT WORLD CHALLENGE @ ICRA 2026

Setting the Benchmark for Embodied AI

Hosted by AGIBOT at ICRA 2026, AGIBOT WORLD CHALLENGE advances embodied AI through open benchmarks and standardized evaluation. Powered by the G2 robot platform, million-scale datasets, and a complete evaluation toolchain, it features Reasoning to Action and World Model tracks with a USD 560K prize pool, accelerating the transition from research to real-world deployment.



Global Competition 526 Teams
27 countries & regions across 6 continents. Top 7 teams advanced to the Grand Finals.

Technical Excellence 147 Teams
147 teams outperformed the official baseline, demonstrating SOTA technical capabilities.

Global Talent TOP15
Leading research and industry teams from USTC, CAS, UC San Diego, and more.

AGIBOT X Series

AGIBOT X2 Ultra | AGIBOT X2 | AGIBOT X2 REC | AGIBOT X2 EDU



AGIBOT X2 Ultra

AGIBOT X2 Ultra features powerful capabilities in motion, interaction, and task intelligence. It is tailor-made for guided tours and retail, guided performances, or research & education scenarios, with a variety of optional configurations, enabling broader scenario expansion and flexible application exploration.

Specifications

Height	Weight	Intelligent Perception	Total DOFs	DOFs per Arm	Max End Effector Payload
131 cm	**39 kg**	**Interactive RGB Camera + Binocular RGB Camera + RGBD Camera + LiDAR + Rear Camera**	**30**	**7**	**3 kg**

Max Walking Speed	Battery Capacity	Endurance	Proactive Interaction	High-Performance Computing Module	Secondary Development
2 m/s	**500 Wh**	**2 h**	**Supported**	**NVIDIA Orin NX 16GB**	**Yes**

Highlights

Extensive Optional Configurations:

End effectors | Charging dock | BVLOS teleoperation

- Flexible end effector configuration: Optional dexterous hands and grippers to meet operational needs and adapt to customized application scenarios
- Autonomous recharging: Optional charging dock, enabling autonomous navigation and path planning for automatic return and recharging, forming a closed-loop operation
- BVLOS teleoperation: Optional VR teleoperation accessories, enabling zero-latency audio-video synchronization for BVLOS remote operation and remote avatar applications



Autonomous Intelligence:

Efficient mapping | Navigation & obstacle avoidance | Autonomous explanation and Q&A

- Multi-dimensional mapping: Equipped with RGBD cameras, interactive RGB cameras, binocular RGB cameras, rear RGB cameras, and LiDAR; a single mapping process enables deployment for exhibition hall guidance
- Route planning and obstacle avoidance: Equipped with autonomous path planning and navigation with obstacle avoidance, capable of detecting both dynamic and static obstacles
- Proactive greeting, explanation, and Q&A: Supports facial recognition and proactive greeting for strangers, knowledge base Q&A, and multilingual explanation, as well as 30+ facial expressions and a wide range of explanatory gestures, enabling an integrated "greeting - explanation - Q&A" service
- Effortless customization: Built-in exhibition hall presentation toolchain, enabling zero-threshold creation and editing of explanation actions and scripts, with support for customizable expressions, motions, voice, walking speed, duration, positioning, and motion sequencing
- Compatible with LinkCraft: Zero-code training for motion control, enabling action imitation, voice narration, and group control and coordinated performance
- Compatible with LinkSoul: Interaction customization with personalized robot personas, wake words, voice tones, and more supporting customized business application requirements

Application Scenarios

Store Greeting and Retail Guidance

Dynamic interaction, customer greeting, and personalized shopping assistance



Customer Attraction and Guidance

Customer attraction and interaction, queue management, and autonomous customer guidance



Research and Education

Rich interfaces for secondary development and a stable robotic platform



AGIBOT X2

AGIBOT X2 is a half-size humanoid robot engineered for entertainment and commercial performance scenarios, delivering exceptional cost-performance. It supports a wide range of full-body motion switching, with rich motion capabilities and multiple preset actions. It features strong multimodal interaction, proactive interaction, and customizable interaction capabilities, and adopts a flexible material shell with a compact, lightweight structure, ensuring safe and reliable operation.

Specifications

Height	Weight	Intelligent Perception	Total DOFs	DOFs per Arm	Max End Effector Payload
131 cm	**35 kg**	**Interactive RGB Camera**	**25**	**5**	**3 kg**

Max Walking Speed	Battery Capacity	Endurance	Proactive Interaction	Computing Module	Built-in Motion Skills
2 m/s	**500 Wh**	**2 h**	**Supported**	**RK3588 (motion control) RK3588S (interaction)**	**Yes**

Highlights



Dynamic Interaction:

Customized interaction | Multimodal interaction | Facial expressions | Touch feedback

- Customized interaction: Compatible with LinkSoul, enabling personalized configuration of robot persona, wake words, voice tone, and more, supporting customized business application needs
- Proactive multimodal interaction: Equipped with environment recognition, human facial recognition, gesture recognition, and body movement recognition, enabling extended capabilities such as proactive greeting and handshake interactions
- Animated expressions: Over 30 facial expression animations, effectively conveying the robot's status
- Touch feedback: Supports head-touch-triggered voice interaction feedback
- Diverse interactive skills: Supports multilingual interaction, motion control commands, singing, Chinese idiom chain games, and ancient poetry recitation, enabling engaging and dynamic interactions

Rich Motion Control:

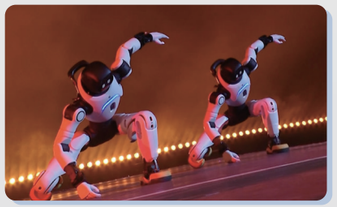
Full-body motion | Self-righting from lying position | Motion generation | Motion choreography

- Diverse preset motions: 20+ preset motions with human-like and agile movement, enabling easy deployment
- Single-person operation: Supports full-body motion transitions such as self-righting from lying and sit-to-stand; with control via remote or mobile app, enabling single-operator deployment
- Compatible with LinkCraft: Zero-code training for motion control, enabling action imitation, voice narration, etc.
- Fleet control toolchain: Supports coordinated performance across multiple robots, enabling more efficient and flexible group choreography
- Premium performance resources: Offers trendy dance routines, high-energy martial arts, and advanced stunt performances, providing one-stop support for entertainment and commercial performance scenarios

Application Scenarios

Cultural & Entertainment Tourism

Full-body dance / martial arts and stunts



Customer Attraction

Welcoming host/proactive greetings/customer attraction



IP Ambassador

Interaction customization/skin customization



AGIBOT X2 REC

AGIBOT X2 REC is purpose-built for data acquisition scenarios, equipped with extensive teleoperation devices and supporting integration with Genie Studio, providing a one-stop "acquisition–training–testing–deployment" data acquisition solution. It enables robots to learn while executing tasks in real-world environments, efficiently collecting high-quality data and accelerating the R&D iteration and real-world deployment of embodied intelligence models.

Specifications

Height	Weight	Intelligent Perception	Total DOFs	DOFs per Arm
131 cm	**40 kg**	**Interactive RGB Camera + Binocular RGB Camera + Head RGBD Camera + LiDAR + Rear Camera + Wrist RGBD Camera**	**30**	**7**

End Effector	VR Teleoperation	Max End Effector Payload	High-Performance Computing Module
OmniHand OmniPicker 3	**VR Headset + Handheld Controller + Motion Tracking Sensor**	**3 kg**	**NVIDIA Orin NX 16 GB**

Highlights

Full-Body Teleoperation:

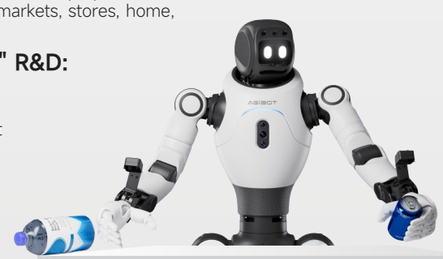
Full-body motion control foundation model | Multi-end-effector compatibility | Rich perception matrix | Data acquisition 2.0

- Full-body motion control foundation model: Unified coordination of upper limbs, lower limbs, torso, and end effectors, enabling more natural teleoperation and more stable task execution
- Multi-end-effector compatibility: Supports dexterous hands or grippers, compatible with homogeneous and heterogeneous data acquisition setups, balancing fine manipulation, general grasping, and task expansion capabilities
- Rich perception matrix: Integrates multiple sensors, including RGB cameras on the head, chest, and back, RGBD cameras on the head and wrists, LiDAR, and IMU, supporting environment perception, motion capture, localization and navigation, and fine manipulation
- Data acquisition 2.0: The industry's first half-size humanoid data acquisition solution deployable in real-world scenarios, supporting full-body control, single/multi-person data acquisition across supermarkets, stores, home, and other application scenarios

Closed-Loop "Acquisition - Training - Testing - Deployment" R&D:

One-stop platform | BVLOS data acquisition | Large-scale training

- One-stop platform: Integrates with the Genie Studio embodied AI development platform, providing full-stack capabilities across data acquisition, training, simulation, and deployment
- BVLOS data acquisition: Supports both line-of-sight and BVLOS data acquisition via a self-developed VR app, enabling cross-space and long-distance data acquisition
- Large-scale training: Million-scale real-world and simulation datasets, covering 100+ real-world scenarios across five major industries, enabling end-to-end workflows for model training, fine-tuning, quantization, and deploymen

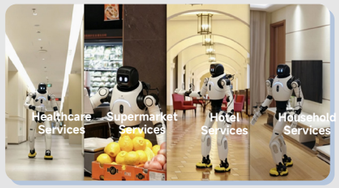


Application Scenarios

Data Acquisition in the Data Collection Site



Real-World Data Acquisition and Application



AGIBOT X2 EDU

AGIBOT X2 EDU is purpose-built for research, education, and hands-on training scenarios. Easy to get started with, safe, and reliable, it focuses on robot assembly and disassembly as well as software secondary development. With upgraded overall product quality and enhanced robot motion-control training capabilities, it is well suited for assembly and debugging, engineering practice, and component kit procurement.

Specifications

Height	Weight	Compute and Sensor Add-ons	Total DoFs	DoFs per Arm	Max End Effector Payload
130 cm, including dummy head	**35kg**	**Supported**	**29**	**7**	**3kg**

Max Walking Speed	Battery Capacity	Endurance	End-to-end Assembly & Disassembly	Compute Module	Software Secondary Development
1.8m/s	**500Wh**	**2h**	**Supported**	**RK3588 x 1**	**Supported (motion-control development)**

Highlights



Sales Type: Components
Post-assembly: Complete Machine

Flexible Integration:

Configurable End Effectors | Versatile Sensor Integration | Custom Compute Expansion

- Configurable End Effectors: Supports optional grippers, dummy hands, and dummy fists to meet different research needs, including grasping and interaction
- Versatile Sensor Integration: Built-in power and data interfaces make it easy to connect external devices and support diverse teaching and research applications
- Custom Compute Expansion: Supports user-defined advanced development boards, enabling more efficient advanced development

Full-stack Extensibility:

Developer-ready Software and Hardware | Core Motion-control Interface Access | Customizable Exterior Components

- Developer-ready Software and Hardware: Enables control development for joints, grippers, and related actuation units, supporting embedded development, mechatronic system integration, and more
- Core Motion-control Interface Access: Supports secondary development for robot motion control, enabling flexible motion-control experiments
- Customizable Exterior Components: Supports appearance design, structural modification, and personalized customization for teaching, competitions, demonstrations, and research projects

End-to-end Teaching Support:

Course Resources | Consumables Support

- Complete Product Design and Assembly Guide: Provides full product design and assembly guides, along with instructional videos, to help users get started quickly with minimal learning barriers
- Consumables Support: Provides a consumables list to reduce time spent on material selection, procurement, and maintenance, improving continuity in teaching and hands-on training

Application Scenarios

Robotics STEM Education



Robot Platform for Robotics Competitions



Assembly, Debugging, and Maintenance Training



智元酷拓
AGIQUAD

AGIBOT D1 Series

D1 MaxPro | D1 Max | D1 Ultra | D1 Ultra-W | D1 Pro | D1 Edu



D1 MaxPro

AGIQUAD D1 MaxPro is a quadruped robot featuring superior payload capacity and exceptional mobility. It is equipped with reinforcement learning-based motion control algorithms, enabling all-terrain adaptability. With its built-in environmental perception module, it can easily handle scenarios such as logistics transportation and emergency rescue.

Specifications

Weight	Load Endurance	Rated Payload	Continuous Stair-Climbing Height	Max Speed*	Max Climbing Angle
68 kg	**2 h**	**50 kg**	**30 cm**	**3 m/s**	**45°**

*This data was obtained under extreme testing conditions in a laboratory environment. For safety reasons, a software-based speed limit has been implemented, capping the actual product speed at 2 m/s.

Highlights

Upper payload

- Supports sustained payloads of up to 50 kg, meeting the demands of heavy-duty, heavy-load transport, and material handling scenarios

Guaranteed Endurance

- Equipped with a 2081 Wh high-capacity battery to work continuously for 2 hours at the rated payload, or for 5.5 hours underload, delivering better performance compared to similar products
- Supports quick battery swapping and optional autonomous charging dock



Exceptional Mobility

- Highly agile with strong adaptability across diverse terrains
- Capable of climbing continuous stairs up to 30 cm and open-riser industrial stairs, with a proven mechanism for self-righting after falls

Robust Environmental Adaptability

- IP67-rated industrial protection, enabling stable operation in temperatures ranging from -20°C to 55°C
- Reliable performance under extreme weather conditions, ensuring stable operation in harsh environments

Application Scenarios

Logistics and Transportation

Last-mile delivery



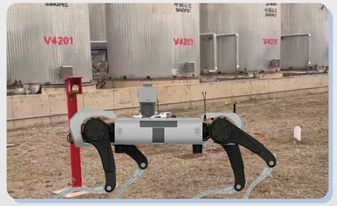
Emergency Rescue

Fire detection, emergency communication



Heavy-payload Operations

Equipment shipping and logistical support



*The parameters provided are based on laboratory test data. Actual performance may vary depending on the operating environment and usage methods; please refer to the actual product for precise specifications.
*Due to differences in testing methodologies and operating environments, the actual no-load battery life is 5.5h ± 0.5h.

D1 Max

AGIQUAD D1 Max features a lightweight design, high payload capacity, long endurance, robust protection, and agile yet stable locomotion. Powered by an embedded reinforcement learning motion model, the robot demonstrates exceptional robustness with capabilities such as impact resistance, disturbance rejection and dynamic self-adaptation. It is equipped with a perception suite including vision, LiDAR, ultrasonic, and IMU sensors, with optional modules supporting autonomous navigation, environmental reconnaissance, and target recognition.

Specifications

Weight	Load Endurance	Battery Module Capacity	Continuous Stair-Climbing Height	Max Speed	Max Climbing Angle
41 kg	**3.5 h**	**504.9 Wh*2**	**25 cm**	**6 m/s**	**45°**

Highlights



Enterprise-Grade Reliability

- More durable, robust, and environmentally resistant, supporting all-weather stable deployment
- IP67-rated protection, designed for long-term operation in outdoor and industrial environments, effectively reducing equipment downtime and maintenance costs

Enhanced Task Endurance

- Over 5 hours of endurance underload and stable 3.5 hours under rated payload
- Operating Range of over 29 km underload and no less than 18 km under rated payload
- Reduces manual intervention, enhancing continuous and sustained operation capabilities

Superior Payload Platform Capabilities

- Reliable under heavy loads with long-term stable performance, supporting multi-industry upper payload requirements
- Rated payload of 25 kg, enabling reliable performance across diverse tasks
- Equipped with a wide range of communication, power, and control interfaces, supporting flexible secondary development and in-depth industrial integration

Enhanced Mobility

- Fast response, broad operational coverage, and high operational efficiency
- Wheeled-legged structure enabling faster movement response, broader operational coverage, and higher efficiency.
- Max climbing angle of 45° and obstacle-crossing height of 80 cm, enabling easy handling of complex terrain and improving task success rates

Ideal for Scalable Deployment

- Features a dual-battery hot-swappable design, minimizing downtime and improving long-duration operational capability
- Intelligent wheel/leg mode switching: Wheel mode offers stable and efficient movement with extended endurance, while leg mode provides superior terrain adaptability for multi-scenario operations

Application Scenarios

Industrial Inspection

Meter reading, defect detection, and abnormal temperature sensing



Security Patrol

Threat inspection, on-site management, and critical point deployment



*The parameters provided are based on laboratory test data. Actual performance may vary depending on the operating environment and usage methods; please refer to the actual product for precise specifications.

D1 Ultra/Ultra-W

AGIQUAD D1 Ultra/Ultra-W is a compact, swift, and highly agile robot. Powered by an embedded reinforcement learning-based motion algorithm, it autonomously adapts to various types of ground surfaces, achieving all-terrain locomotion. It is widely used in scenarios such as security patrol, research & education, and interactive entertainment.

Specifications

Ultra

Protection Rating	Weight	Load Endurance	Operating Range	Continuous Stair-Climbing Height	Rated Payload
IP54	**16 kg**	**1 h**	**6 km**	**16 cm**	**5 kg**

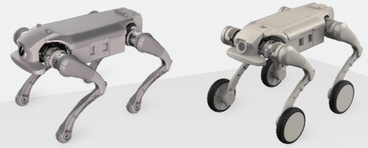
Ultra-W

Protection Rating	Weight	Load Endurance	Operating Range	Max Step Climbing Height	Rated Payload
IP 54	**22 kg**	**1 h**	**9 km**	**60 cm**	**5 kg**

Highlights

Reliable and Robust Dustproof and Water-Proof Architecture Designed per Strict Standards

- High dust and water protection levels, capable of handling splashes, moisture, mud, and dusty environments with ease
- Aluminum alloy vacuum die-casting process featuring a lightweight structural design
- Core components treated with sealed protection and anti-corrosion treatment



D1 Ultra

D1 Ultra-W

Powerful Mobility for Complex Terrain

- RL-based gait control, enabling adaptability to complex terrains and diverse ground surfaces, with self-balancing, anti-tipping, and disturbance rejection capabilities

High-Performance Motor with High Torque, Impact Resistance, and Calibration-Free Operation

- Peak torque of 48 N·m, delivering high torque output for complex terrains and high-load operations
- Validated through millions of impact tests, ensuring long module lifespan, strong impact resistance, and suitability for high-intensity multi-scenario applications
- Equipped with a dual-encode controller, eliminating the need for zero-position calibration and enabling immediate operation upon startup

Flexible Development with Modular and Payload Adaptation

- Standardized interfaces support integration with various payload modules for multi-scenario application development
- Open SDK for secondary development, supporting upper payload integration

Application Scenarios

Security Patrol

Threat inspection, on-site management, and critical point deployment



Pipeline Corridor Inspection

Cable temperature measurement and outer sheath damage detection



Educational Research

Comprehensive technical support to help users build robotic research system models



*The parameters provided are based on laboratory test data. Actual performance may vary depending on the operating environment and usage methods; please refer to the actual product for precise specifications.

D1 Pro/Edu

AGIQUAD D1 Pro/Edu is a compact, swift, and highly agile robot. Powered by an embedded reinforcement learning motion algorithm, it autonomously adapts to various types of ground surfaces, achieving all-terrain locomotion. Additionally, the D1 Edu supports secondary development and personalized customization.

Specifications

Weight	Endurance	Rated Payload	Continuous Stair-Climbing Height	Max Speed	Vertical Jump Height
15.5 kg	**1-2 h**	**5 kg**	**16 cm**	**3.5 m/s**	**35 cm**

Highlights



Powerful Mobility for Complex Terrain

- RL-based gait control, enabling adaptability to complex terrains and diverse ground surfaces, with self-balancing, anti-tipping, and disturbance rejection capabilities

High-Performance Motor with High Torque, Impact Resistance, and Calibration-Free Operation

- Peak torque of 48 N·m, delivering high torque output for complex terrains and high-load operations
- Validated through millions of impact tests, ensuring long module lifespan, strong impact resistance, and suitability for high-intensity multi-scenario applications
- Equipped with a dual-encode controller, eliminating the need for zero-position calibration and enabling immediate operation upon startup

Flexible Development with Modular and Payload Adaptation

- Standardized expansion interfaces for secondary development and personalized modification

Application Scenarios

Commercial Performances

Group performances, paid rentals



Interactive Entertainment

Playful combat demonstrations, jumps, backflips, forward leaps, and bipedal standing



Educational Research

Comprehensive technical support to help users build robotic research system models



*Secondary development features are available only in the D1 Edu version
*The parameters provided are based on laboratory test data. Actual performance may vary depending on the operating environment and usage methods; please refer to the actual product for precise specifications.

AGILINK

AGILINK Dexterous Manipulation Portfolio



OmniHand 3 Lite

OmniHand 3 Lite measures 140*70*32 mm, about the size of a computer mouse. At 350 grams, it brings full dexterous manipulation into half-scale humanoid platforms, mobile manipulators, and developer ecosystems that previously had no choice but grippers.

Specifications

DoF	Dimensions	Weight	Payload
4 active + 7 passive	**140*70*32 mm**	**350 g**	**1 kg**

Opening/ Closing Time (Typ.)	Communication Interface	Sensing Approach	Force Sensing Accuracy
0.5 s	**CANFD/ RS485**	**1D tactile**	**0.1 N**

Highlights

Designed for Half-Scale Humanoids

- The smallest production-grade dexterous hand today, built for half-scale humanoids, mobile manipulators, and compact service robots — where full-size hands have never fit.

Built to Stay On the Robot

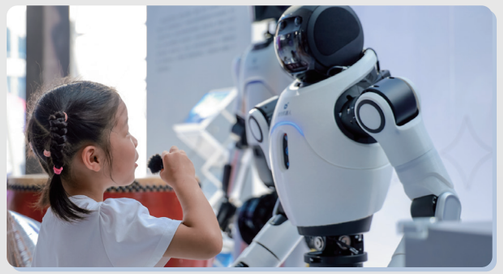
- Aerospace-grade metal frame with one-piece silicone overmold. Validated through impact, drop, and collision testing — supporting cartwheels, acrobatics, and falls with the hand staying assembled.

Open Developer Platform

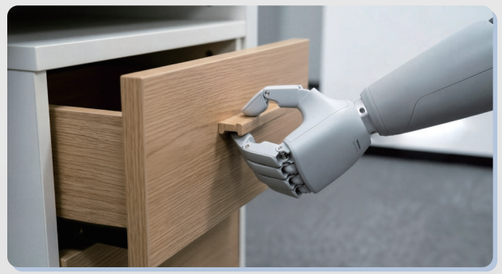
- Optional wrist-mounted camera, and a fully open-source toolkit. Built for rapid prototyping, classroom adoption, and developer programs.

Application Scenarios

··· Service and Interaction ···



··· Light-Duty Tasks ···



OmniHand 3

OmniHand brings 16 degrees of freedom into a compact, lightweight form factor — engineered to integrate seamlessly across humanoid platforms, mobile manipulators, and research environments. Distributed tactile sensing, multi-modal interaction capability, and a price point built for scale make OmniHand the standard hand for programs that need dexterity at every step.
In active deployment across humanoid robotics, service applications, and academic research worldwide.

Specifications

DoF	Dimensions	Weight	Payload
10 active + 6 passive	**180*85*38.5 mm**	**510 g**	**5kg**

Opening/ Closing Time (Typ.)	Sensing Approach (w/ Tactile)	Force Sensing Resolution (w/ Tactile)	Communication Interface
0.5 s	**1D force across full hand, 300+ taxels**	**0.1 N**	**CANFD/ RS485**

Highlights



Built for Scalable Deployment

- Compact, lightweight (510 g), and designed for seamless integration with leading humanoid platforms and mobile manipulators. A standard hand engineered for programs that scale.

Versatile Interaction

- 10 active DoF plus 6 passive — covering common gestures, full grasp coverage, and an exclusive back-of-hand touch interaction. Built for human-robot collaboration that goes beyond grasping.

Distributed Tactile Sensing

- Over 300 force-sensing taxels across the fingertips, palm, and back of hand, with an anti-pinch design for safe, gentle interaction with people and objects.

Application Scenarios

Human-Robot Interaction



Research and Education



Light-Duty Tasks



OmniHand 3 Ultra-M

20 active degrees of freedom in 630g, human-scale form factor. Engineered for continuous-duty research, embodied AI training, and the experiments that will define the new era of manipulation.

Specifications

DoF	Dimensions	Weight	Payload
20 Active	**189.5*88.5*40mm**	**630 g**	**5kg**

Opening/ Closing Time (Typ.)	Repetitive Positioning Accuracy	Tactile Sensor	Communication Interface
0.3 s	**±0.2 mm**	**Fingertip: Vision-based tactile sensor** **Palm: 3D tactile sensor**	**CANFD/ RS485/ Ethercat**

Highlights



Form Factor & Strength

- 20 active DoF in 630g, human-scale build — the highest force density in its category.

Continuous-Duty Reliability

- 40–45 °C surface temperature under continuous load with no throttling. 500K validated cycles.

Clean Data, by Design

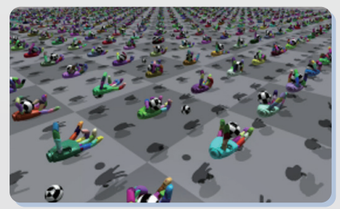
- Direct-drive at every joint. ±0.2mm repeatability across the full workspace, with joint state read directly from each actuator's encoder — a hand controller and learned policies can trust as ground truth.

Vision-Based Tactile Sensing

- Three-dimensional force vectors with 0.08mm deformation precision across a 0–30N range — enough to distinguish slip from contact, edge from surface.

Application Scenarios

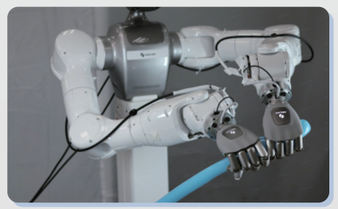
Embodied AI training



Data Collection



Bimanual Contact-rich Manipulation Research

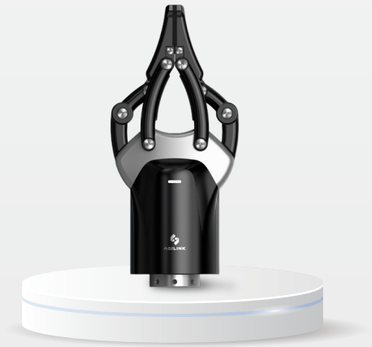


OmniPicker 3

OmniPicker 3 brings industrial reliability and force-aware sensing into a single tool — engineered for the embodied AI training pipelines, contact-rich operations, and high-volume manipulation tasks that the next generation of automation requires.

Specifications

Weight	Max Force	Max Stroke	Maximum Payload	Repetitive Positioning Accuracy	Communication Interface
600 g	**140 N**	**120 mm**	**5 kg**	**±0.2 mm**	**CANFD/ RS485**



Highlights

Industrial Performance, Reimagined for Embodied AI

- 140N gripping force validated through 1 million full-load cycles — industrial reliability built for the manipulation tasks that learning-based systems demand.

Adaptive, Force-Aware Grasping

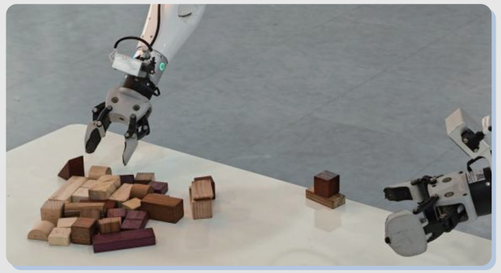
- Fingertip tactile sensing across the gripping surface with 0.1 N force resolution, — handling standard parts, irregular shapes, and delicate objects through adaptive force control.

Open Data-Collection Ecosystem

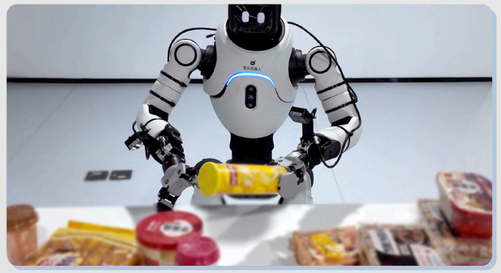
- Native compatibility with UMI and optional depth or fisheye camera integration. Built for high-quality manipulation data collection and the training pipelines embodied AI requires.

Application Scenarios

··· Industrial and Logistics ···



··· Data Collection ···



BRAWN ROBOTICS

AGIBOT C Series

AGIBOT C5 | AGIBOT C4 | AGIBOT C2 | AGIBOT C2P



AGIBOT C5

AGIBOT C5 is our first intelligent cleaning robot for mid-to-large scale indoor environments, integrating sweeping, scrubbing, and dry mopping into a single, versatile unit. It comes with an advanced multi-sensor system that fuses LiDAR and visual perception, enabling it to effortlessly navigate diverse and complex environments. The fully automated station supports Auto Charging, Auto Refill & Drain, and Dirty Water Tank Self-Cleaning, drastically reducing maintenance efforts. AGIBOT C5 delivers a higher quality clean while lowering labor costs, offers data-driven insights to operations, and provides a smart, effortless experience – perfectly supporting the move towards smart property management.

Specifications

AGIBOT C5

Debris Pickup Rate	Total Weight	Dirty Water Tank Self-Cleaning	Battery Specifications	Max Cleaning Efficiency	Operating Noise
95 %	170 KG	4 min	24 V, 80 Ah	1,980 ㎡/h	<68 db(A)

Fan Lifespan	Extra-Large Water Tank Capacity	Scrubbing Endurance	Downforce Pressure	Scrubbing Width
10,000 h	90 L	3 h	25 kg	550 mm

Station

Water Tank Capacity	Clean Water Refill Speed	Dirty Water Drain Speed	Max Power	Rated Input Voltage
8 L	7–10 L/min	10–15 L/min	1,800 W	200–240 V

Highlights

Dual-roller brush system that combines sweeping and scrubbing; high water flow and downforce pressure for tackling stubborn stains in a single pass.

Precision edge cleaning with missed spot detection, ensuring total, corner-to-corner coverage

A pioneering dual-chamber squeegee design, minimizing water residue in crevices for a drier finish

Premium components, featuring a fan with a 10,000-hour lifespan, ensure the lowest possible life-cycle costs.

Scrubbing width: 550 mm; theoretical cleaning efficiency: up to 1,980 ㎡/h



LiDAR + visual perception positioning, offering excellent adaptability in various scenarios

Simple maintenance: Industry-first self-cleaning dirty water tank, cutting the daily maintenance time in half

Auto Charging, Auto Refill & Drain, and Dirty Water Tank Self-Cleaning, combined with access control and elevator integration, achieving a high level of unmanned operation

Application Scenarios

Factories



Transportation Hubs



Commercial Complexes



Large Supermarkets



Medical & Education Systems

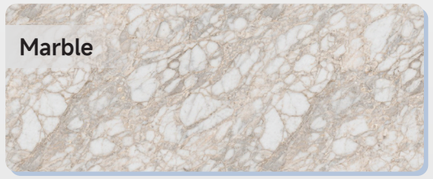


Lobbies

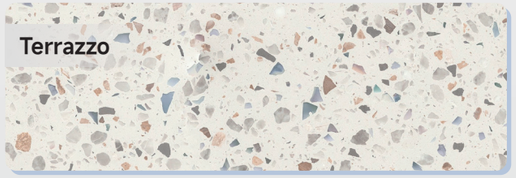


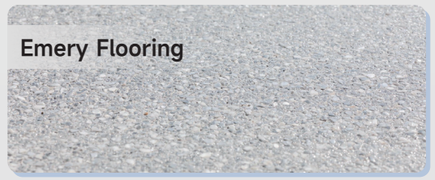
Compatible Surfaces

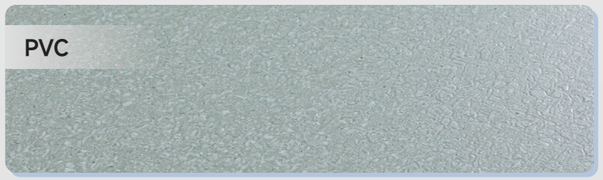












AGIBOT C4

AGIBOT C4 is our intelligent cleaning robot for small-to-mid scale indoor environments, integrating sweeping, scrubbing, and dry mopping into a single, versatile unit. It features excellent narrow-aisle navigation capability, using multi-line LiDAR + visual perception for positioning, with automatic map updates to effortlessly navigate through variable and ever-changing environments. The fully automated station supports Auto Charging, Auto Refill & Drain, Cleaning Solution Refill, and is capable of self-cleaning the roller brush system, squeegee, dirty water tank, and station, drastically reducing maintenance effort. The AGIBOT C4 robot is designed with exceptional versatility in various scenarios, a long-life design, and self-diagnoses over 90% of faults, reducing the total cost throughout its lifecycle. It can help property maintenance companies achieve digitalized upgrades, making operations more efficient and cost-effective.

Specifications

AGIBOT C4

Dimensions	Battery Specifications	Max Cleaning Efficiency	Scrubbing Endurance	Charging Time	Operating Noise
680 * 510 * 1,015 mm	**24 V, 60 Ah**	**1,400 m²/h**	**3 h**	**1.5 h**	**<65 db(A)**

Clean/Dirty Water Tank Capacity	Scrubbing Width	Cleaning Width (Side Brush)	Squeegee Width	Min Aisle Width	Turning Radius
25 L/25 L	**380 mm**	**600 mm**	**540 mm**	**600 mm**	**800 mm**

Station

Water Tank Capacity	Clean Water Refill Speed	Dirty Water Drain Speed	Max Power	Rated Input Voltage
4 L	**5-8 L/min**	**4-8 L/min**	**1,200 W**	**200-240 V**

Highlights

Agile Movements: Can pass through 60 cm gaps, and turn within 80 cm, enabling effortless navigation within the width of a floor tile

No Manual Intervention: One-touch intelligent zone-based route planning, with Auto Charging, Auto Refill/Drain, and Cleaning Solution Refill features, eliminating the need for manual interventions

Adaptable to Various Scenarios: Uses multi-line LiDAR + visual perception for positioning, with automatic map updates to handle dynamic, changing environments

Ultimate Stability: High-spec hardware design with pre-filtration of dirty water, significantly reducing the risk of valve and pump clogging (ISO9001 certified)



Comprehensive Cleaning: Combines sweeping, scrubbing, and mopping, with an innovative water-retention scrubbing design, achieving perfect cleaning even with minimal water usage

Effortless Maintenance: Equipped with a roller brush module, squeegee, and wastewater tank, it features full self-cleaning capability, reducing the daily cleaning workload by over 60%

All-in-one Cleaning: Has a front-sweeping and rear-scrubbing design, ensuring a debris pickup rate of 95%. dry/wet separation, achieving an all-in-one, high-standard cleaning performance

Reduced Costs: Long-life design with over 90% fault self-diagnosis, reducing total lifecycle costs

Application Scenarios

··· Supermarkets ···



··· Subway Stations ···



··· Factory Warehouses ···



··· Hotels ···



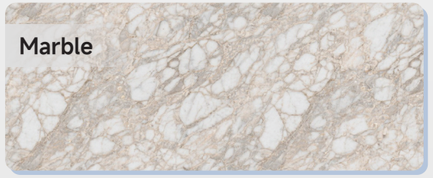
··· Office Buildings ···



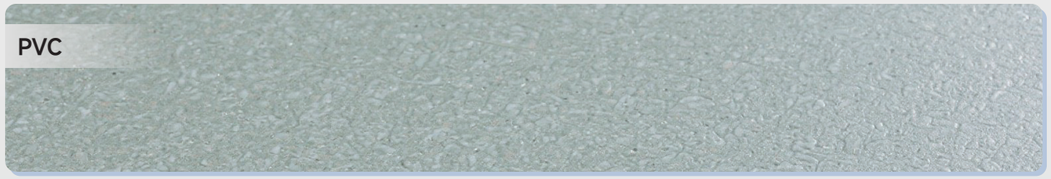
··· Exhibition Halls & Stores ···



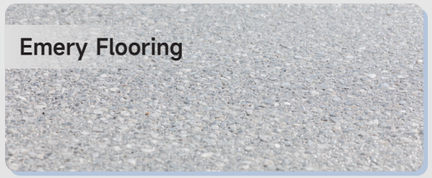
Compatible Surfaces











AGIBOT C2

AGIBOT C2 is a compact commercial robot designed to clean small indoor areas of 500–1,000 m2. It features a compact and agile design, multi-functionality, intelligent recognition, and cloud-based control, enabling intelligent, unattended, and digitalized cleaning operations.

Specifications

AGIBOT C2

Cleaning Efficiency	Total Weight	Dustbin Capacity	Battery Specifications	Walking Speed	Gradeability
300–700 ㎡/h	**17.5 kg**	**1.3 L**	**25 Ah**	**0.4–0.6 m/s**	**10°**

Dirty Water Tank Capacity	Clean Water Tank Capacity	Scrubbing Endurance	Charging Time	Cleaning Width	Edge Cleaning Distance
3.5 L	**4 L**	**4 h**	**2 h**	**390 mm**	**≤50 mm**

Station

Dustbin Capacity	Station Feature	Station Feature	Station Feature	Station Feature
10 L	**Auto Charging**	**Auto Refill & Drain**	**Auto Dust Collection**	**Mop Drying**

Highlights

Automatically switches between Dry Mop, Vacuum, and Wet Mop modes to adapt to various floor types

Intelligently communicates with elevators, access gates, and access control systems to navigate multiple floors without interruption

Enables true 24/7 unattended operation based on industry-leading mop self-drying technology, plus Auto Dust Collection, Refill & Drain, and Charging features

Intelligently identifies waste types and stain levels, and dynamically adjusts cleaning strategies

Features an ultra-slim 39 cm body and low-profile design, effortlessly reaching into tight spaces such as under dining tables and between shelves



Application Scenarios

··· Office Buildings ···



··· Serviced Apartments ···



··· Retail Stores ···



··· Supermarkets ···



··· Exhibition Halls ···



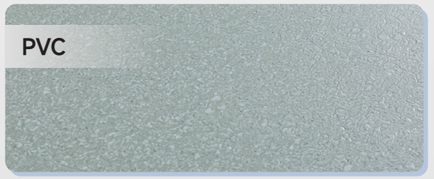
··· Office Lobbies ···



Compatible Surfaces









AGIBOT C2P

AGIBOT C2P is a compact commercial robot designed to clean indoor small areas of 500–1,000 m2. It features compact and agile design, multi-functionality, intelligent recognition, and cloud-based control, delivering an intelligent, unattended, and digitalized cleaning solution.

Specifications

AGIBOT C2P

Overall Dimensions	Total Weight	Dustbin Capacity	Battery Specifications	Walking Speed	Gradeability
520 * 510 * 680 mm	**22.5 kg**	**1.3 L**	**23 Ah**	**0.4–0.6 m/s**	**8°**

Dirty Water Tank Capacity	Clean Water Tank Capacity	Endurance	Charging Time	Cleaning Efficiency	Edge Cleaning Distance
3.5 L	**4 L**	**4 h** (2 h continuous operation with a full water tank)	**2 h**	**180–250 m^2/h**	**<50 mm**

Dustbin Capacity	Obstacle Clearance Height	Cleaning Width	Min Clearance Height
1.3 L	**30 mm**	**390 mm**	**700 mm**

Highlights

Automatically switches between Sweep, Vacuum, Dry Mop, and Scrub modes

Features an all-in-one station that supports Auto Charging, Auto Refill & Drain, and Roller Brush Self-Cleaning, and barrier-free access to elevators and access gates

Automatically adapts to various cleaning attachments without manual setup and lifts the roller brush in carpeted areas

Supports cloud-based remote task management, enabling multi-dimensional data analysis and visualized data management



Operates in Quiet Wet Mop mode at under 60 db, making it ideal for overnight cleaning without causing disturbances

Equipped with a mobile water station for environments without fixed plumbing

Application Scenarios

Supermarkets



Office Buildings



Serviced Apartments



Retail Stores



Exhibition Halls



Office Lobbies



Compatible Surfaces





