



Truly Unmanned. Intelligent Grinding.

Floor Grinding Robot



About Legend Robot

Redefining the Physical Boundaries of Construction

Founded in 2021, Legend Robot stands at the forefront of the "Full-Chain Intelligent System." Our mission extends beyond mere robotics manufacturing; we are reconstructing the fundamental logic of the construction industry through digital innovation.

By deeply integrating perception, decision-making, execution, and cloud connectivity, we empower our machines with industrial-grade precision. This synergy enables autonomous decision-making and flawless execution—even within the most complex environments. From 3.3m residential finishing to 6.2m high-altitude public projects, and from automated paint spraying to millimeter-level tile laying, Legend Robot is transforming traditional construction sites into standardized, data-driven digital factories.

We honor the spirit of craftsmanship while striving to eliminate high-risk, repetitive labor through technology. In the vision of Legend Robot, construction professionals are no longer mere laborers; they are the commanders of intelligent systems, jointly ushering in a new era of efficiency and dignity.

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Legend Robot



WhatsApp

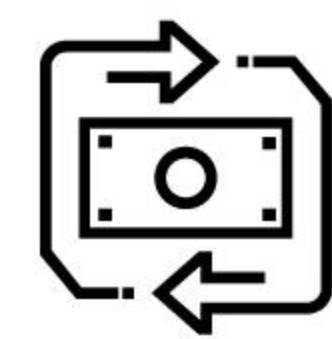


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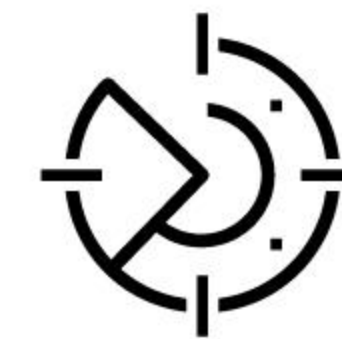


Floor grinding robot is designed for automated floor treatment in scenarios such as underground parking garages, factory workshops, laboratories, and sports venues.

It supports fully automated grinding and dust collection for concrete hardener floors, dry shake hardener floors, and epoxy floors.



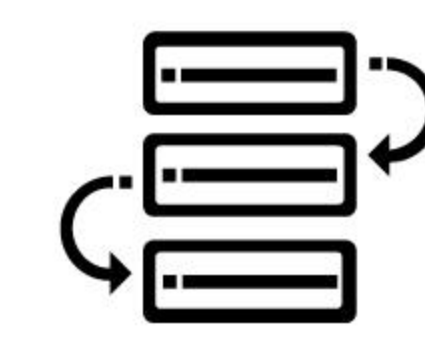
Automatically plan a path



Autonomous environment recognition



Dust Collection System



Preloaded Downforce Design



Compatible Grinding Discs



Dust Collection
Massive Capacity. Instant Clean.



Path Planning
Smart Pathing. Flawless Coverage.



Grinding Discs
Quick-Swap. Infinite Adaptability.



Downforce Design
Heavy-Duty. Rock-Solid Stability.

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Three Core Advantages

Dust Collection System: Equipped with an automatic 100L high-capacity dust bin to hold more debris and reduce replacement frequency. The quick-release mechanism allows for one-button loading and unloading, making maintenance fast and easy.

Compatible Grinding Discs: Supports quick-swap interfaces for both square and round grinding discs, offering greater versatility across different application scenarios.

Preloaded Downforce Design: Utilizes a heavy self-weight and preloaded downforce design to minimize gaps between contact surfaces. This enhances structural rigidity and improves overall system stability, resulting in better grinding quality.

Parameters

Parameter	Value
Dimension	2450mm × 960mm × 1750mm
Weight	1250kg
Power Supply	Plug-in work
Dust Collection Bin	100L
Grinding Width	780mm
Grinding Speed	0.1–0.5m/s
Working Voltage	AC380V
Rotated Power	25kw
Operation Configuration	1 Robot + 1 Worker

6 Key Features

Feature	Description
Quality	Consistently high quality ensured by preloaded downforce design
Coverage	95%+ precise coverage with wraparound strategy & zero missed spots
Efficiency	Up to 4,000 m²/day output combined with auto dust collection
Safety	Dual-protection system maintaining a flawless safety record
Ease of Use	Tablet-controlled visual UI for intuitive operation
Reliability	Ultra-low failure rate backed by responsive professional support