

Indoor Coating Robot 320 Pro



*Two-in-One Functionality
Master of Spraying*

Industry Pain-points

In traditional interior finishing works, putty, paint, and other coating applications are affected by material characteristics, equipment used, and workers' skill levels, leading to the following common challenges:

Poor Quality

High Craftsmanship and Quality Requirements
Difficult to Maintain Consistency in Finishing Effects

Low Efficiency

Low Level of Mechanization
Efficiency Heavily Constrained by Human Factors

High Safety Risks

Workers Required to Work at Heights
Significant Safety Hazards

High Labor Dependence

Declining Availability of Workers
Rising Labor Costs

Harsh Working Conditions

Exposure to Harmful Gases and Dust
Poor Working Environment / High Physical Labor Intensity

The Indoor Coating Robot 320 Pro, through intelligent and automated construction, improves quality and efficiency, reduces safety risks, addresses labor shortages, and enhances on-site working conditions, providing a new intelligent construction solution that increases productivity and lowers overall project costs.

Production Information

The Indoor Coating Robot 320 Pro is a fully automated coating robot designed for interior walls, bay windows, ceilings, and other architectural features. It can coat both latex paint and putty. It features automatic path planning with BIM software, laser SLAM indoor navigation, automatic obstacle avoidance, intelligent monitoring, and a dual-battery power management system. It is primarily used in indoor renovation and construction environments such as residential buildings, commercial offices, apartments, and industrial plants.



High Efficiency

Comprehensive efficiency for latex paint: 160 m²/h. Comprehensive efficiency for putty: 60 m²/h. Application efficiency is 3-4 times that of manual labor, with support for long-duration, continuous operation*



High Coverage

Using mobile coating and dynamic pressure control technology, it can cover areas such as walls, hallways, ceilings, bay windows, beams, entryways, and walk-in closets, with a coverage rate of over 90%*



High Quality

Precise control of coating parameters and multiple coating modes dynamically adapt to different scenarios, ensuring a uniform coating and consistent quality



Intelligent

Fully automated coating operations with automatic work path generation. Can be remotely monitored and controlled via a mobile app

Key Specifications*

Total Weight	680kg	Working Height	≤3100mm
Overall Dimensions	960×760×1750mm	Positioning Accuracy	±30mm
Battery Life	≥5h	Moving Speed	≤0.5m/s
Charging Time	≤2.5h	Height of Surmountable Obstacle	≤30mm
Bucket Volume	60L	Width of Surmountable Trench	≤50mm
Coverage	≥90%	Climbing Angle	≤10°

Application Cases*

- To date, the Indoor Coating Robot 320 Pro has been applied in projects such as Foshan Shunde Boyue Bay, 28 Light Years (Fengtong Garden), Shantou Jinping Xincheng Bay, Changsha Jinyuanfu, C&D Lane in Tuen Mun (Hong Kong), and the Yugu Prefabricated Industrial Park in Langfang, Hebei. All applications were completed with high-quality finishing that met acceptance standards, with cumulative working area exceeding 800,000 m² across these projects.

Compared to traditional manual coating works, robotic construction simplifies the workflow while improving construction efficiency, reducing safety risks, enhancing on-site working conditions, and ensuring consistent finishing quality. When coordinated with other indoor coating and finishing robots, it helps shorten the overall construction cycle and reduce comprehensive project costs.



28 Light Years (Fengtong Garden)



Foshan Shunde Boyue Bay



Changsha Jinyuanfu



Shantou Jinping Xincheng Bay

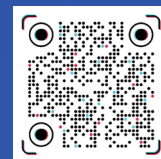
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(*The data comes from Bright Dream Robotics and the final interpretation right belongs to Bright Dream Robotics)



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