

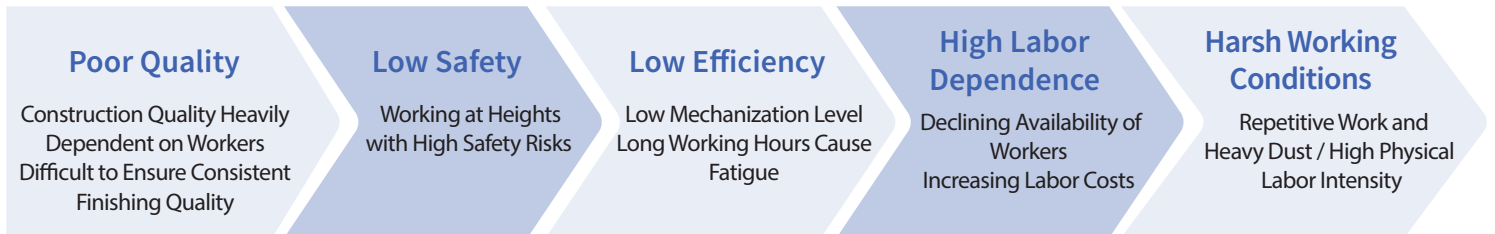
# Putty Grinding Robot

*Intelligent Grinding  
Stable and Reliable*



## Industry Paint-points

Putty grinding in interior finishing works is affected by material characteristics, equipment used, worker's skill levels, leading to the following common issues:



The Putty Grinding Robot, through intelligent construction, provides an intelligent and efficient solution for projects with improved quality and efficiency, lower construction risks, solving labor issues and improving construction environment.

## Production Information

The Putty Grinding Robot is a robot used for putty grinding operations on interior walls and ceilings of buildings, with functions such as intelligent constant force grinding, automatic navigation, automatic path planning, vacuuming and dust collection, automatic putty discharge, and APP remote operation. It adopts a parameterized grinding process setting, which ensures stable and reliable grinding quality, and can be widely used in fine decoration or industrial decoration scenarios such as ordinary residences, western-style houses, commercial houses, apartments, office buildings.



### High Efficiency

The overall construction efficiency is 50 m<sup>2</sup>/h, which is more than 1.5 times that of traditional manual efficiency, and can operate continuously for a long time\*



### High Quality

Intelligent constant force control, precise laser ranging, and good consistency of construction quality



### Safety

Automated construction eliminates the need for high-altitude operations; At the same time, the harm of dust to the body is reduced



### Environment

Vacuuming and dust collection, noise reduction, energy saving and emission reduction

## Key Specifications\*

Total Weight	550kg
Overall Dimensions	942x752X1750mm
Battery Life	≥4h
Charging Time	≤3h
Dust Collection Box Volume	100L
Power Supply Requirements	AC220V/5kW

Moving Speed	≤0.5m/s
Positioning Accuracy	±2cm
Working Height	≤3200mm
Height of Surmountable Obstacle	≤20mm
Width of Surmountable Trench	≤50mm
Climbing Angle	≤6°

## Application Cases\*

- To date, the Putty Grinding Robot has been deployed in projects including Shunde Boyue Bay, Foshan Fengtong Garden, Daliang Factory, Sanshui Leping, and Zengcheng Shitan, with cumulative construction area exceeding 200,000 m<sup>2</sup> and finishing quality meeting acceptance standards.
- Compared to traditional manual grinding, robotic construction delivers higher working efficiency and more stable finishing quality, while reducing labor intensity and improving on-site working conditions. When combined with indoor coating and finishing robots, it helps shorten the construction cycle and lower overall project costs.



Ceiling Polishing



Wall Polishing



Bay Window Polishing



Bay Window Polishing

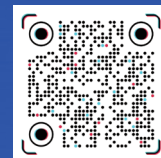
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(\*The data comes from Bright Dream Robotics and the final interpretation right belongs to Bright Dream Robotics)



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