

Dust-Free, High Efficiency Substantial Cost Savings

Floor Grinding Robot



Product Introduction*

The floor grinding robot is designed to remove surface laitance from concrete. It is widely applicable in the construction of various floor types, including epoxy floors, sealed hardener floors, emery sealed hardener floors, epoxy terrazzo floors, inorganic terrazzo floors, and terrazzo floors in scenarios such as underground parking garages, factory workshops, laboratories, and sports venues. By using LiDAR scanning to identify the location information of objects such as walls and columns, the robot performs intelligent path planning, enabling real-time positioning, autonomous navigation, and fully automatic grinding operations. Additionally, it features functions such as automatic dust collection (850 M series), safe stopping upon detecting obstacles, grinding disc protection, construction data statistics, fault alarm, and FMS cloud data management.

Low Cost



One person operating one machine saves one worker. one person operating two machines saves 1.5 workers.

High Efficiency



Fully automatic grinding with multi-machine collaborative operation; construction efficiency is 1.5 times that of manual work, enabling long-duration continuous operation.

High Quality



Robot paths are uniform and continuous, with no over-grinding or missed areas, ensuring consistent construction quality.

Safety & Environmental Protection



Intelligent grinding disc protection, automatic obstacle stop, automatic dust collection, and green construction.

Intelligent



Automatic mapping, intelligent path planning, autonomous navigation, and FMS cloud data management.

Main Parameters*

Product Name	Floor Grinding Robot 850M	Floor Grinding Robot 850S
Voltage	380 VAC	
Power Supply Type	Three-phase five-wire system	
Frequency	50 HZ/60 HZ	
Grinding Power	18.5kW	
Dust Collection Power	2.4kW	-
Working Width	850±50mm	
Grinding Disc	Planetary disc	
Grinding Speed	400-2000rpm	0-2000rpm
Travel Speed	0.5m/s	
Battery	48V&30Ah	
Operating Range	9km	
Climbing	15°	15°
Positioning Accuracy	5cm	
Dimensions (LxWxH)	2030X915X1275mm	1520X866X1204mm
Weight	754kg	627kg

Application Cases*

- The floor grinding robot series has been widely applied in more than 150 projects, including Guangzhou Poly Shuimu Fanghua, Shenzhen Guangming Archives, Foshan Poly Xinhui Garden, Hangzhou Project 115, Xiamen Cultural and Sports Center, Nantong Qidong Life Star Bay Base, Quanzhou High-End Equipment Industrial Park, Huizhou Fengxiang Garden, and Anhui Yingshang Country Garden Times City, with a cumulative construction area exceeding 6,000,000 m².



Singapore



Hong Kong

Service Commitment

Free one-time on-site delivery, installation, and on-site guidance for new machines⁽¹⁾; free installation and operation training; free remote technical support and consulting services; lifetime on-site service⁽²⁾; 1-year warranty for the complete machine⁽³⁾; 5-year spare parts supply guarantee; 7x24-hour service hotline; on-site service within 24 hours in stationed cities and 48 hours in other cities (excluding remote areas), or on-site service as agreed.

Notes: (1) One free on-site installation service is included. (2) During the warranty period, warranty-covered items are serviced free of charge; services beyond the warranty period or non-warranty items are provided at a charge. (3) Accessories and consumables are not covered by the warranty. High-quality accessories and consumables are available for customer purchase.

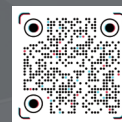
Official Website: <https://www.bm-robot.com>

Service Hotline: **400 988 2007**

(*Data are sourced from the BRIGHT MASTER ROBOTICS Laboratory. The final right of interpretation belongs to BRIGHT MASTER ROBOTICS. As technology is continuously updated, BRIGHT MASTER ROBOTICS reserves the right to modify its products. If technical parameters or product functions are changed, no further notice will be given. The actual delivered product shall prevail.)



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