

Collaborative Mobile Robot

B300

PLATFORM SERIES

- ◆ 300KG Payload
- ◆ Various Interfaces for Top Module Integration
- ◆ $\pm 5\text{mm}$ Positioning Precision*
- ◆ Safety Design for Emergency Override
- ◆ High Cost-Effectiveness
- ◆ Flexible Deployment and Cluster Dispatching



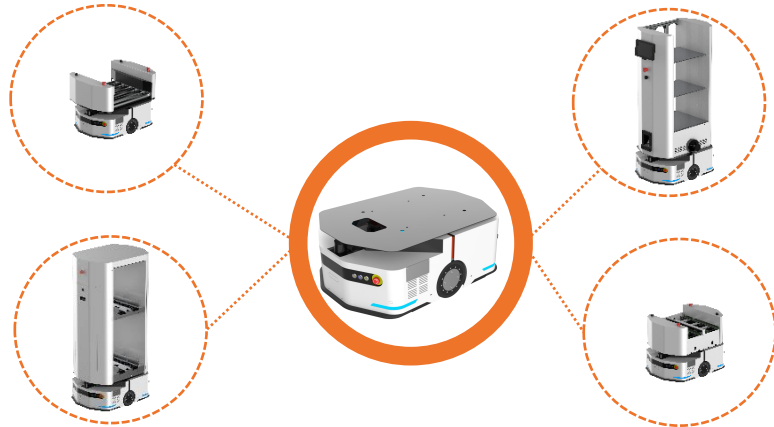
PRODUCT INTRODUCTION

∞ Robotics for a More Automated world

▶ ABOUT B300

The B300 Mobile Robot is a cost-effective solution for industrial logistics, capable of integrating with over ten different top modules (rollers, racks, etc.) for various material transport tasks in warehouses, cleanrooms and production lines. Its compact design allows it to navigate narrow workshop corridors while carrying up to 300KG. The easily integrated hardware and software systems enable simple deployment and flexibility. It supports both automatic and manual charging, along with maintenance, ensuring 24/7 operation.

With the ability to quickly and easily integrate different top modules, the B300 robot supports various conveyors, rollers, racks, or other options to support a wide range of applications.



▶ SPECIFICATION

Category	Item	Parameter
Main Body	Dimensions	780*550*290mm
	Weight	125KG
	Max. payload	300KG
Navigation	Navigation mode	Laser SLAM/Laser&QR code Fusion
	Navigation accuracy	Laser SLAM Position accuracy: ±10 mm; Angle accuracy: ±1° Laser&QR code Fusion* Position accuracy: ±5 mm; Angle accuracy: ±1°
	Turning diameter	800mm
Mobility Performance	Max. speed	1.5 m/s
	Rated speed	0.8 m/s Full-Loaded forward; 0.4m/s No-Loaded/full-loaded backward
	Cell material	Lithium Iron Phosphate
Power & Battery	Battery capacity	48V 30Ah
	Battery life	Cycles ≥2000; DOD≥80%
	Battery runtime	≥8H
	Lidar design	One located in front of the body
Safety Design	Emergency stop button	Two located on the front and rear sides of the body
	Anti-collision strip	Located at the front and rear of the robot with a 180° span

