



Heavy-Duty Mobile Robot

The Heavy-Duty Mobile Robot is a solution developed to replace manual transportation of heavy goods in constrained spaces such as construction buildings, to provide more safe and efficient logistics for heavy cargo. It can enable "transporting heavy cargo with intelligence" in construction buildings and improve operational efficiency and transportation safety.



Innovations and Technologies

- Innovative Design of the Chassis Structure: The optimized structure balances the load and height, achieving a height of only 275mm under a 12-ton load on uneven ground
- Control System Design integrated with Operation Process: Ensuring efficiency of transportation and accuracy of assembly
- Integrated with Loading and Unloading Solutions: Optimizing operation efficiency throughout the entire process and ensuring operation safety

Target Applications

- The assembly of Modular Integrated Construction (MiC) units
- Heavy load transportation within building buildings, tunnels, culverts, etc.