

Mobile robots

ReBeLMove Pro**Autonomous mobile robot ReBeLMove Pro**

The ReBeLMove Pro is a simple and flexible solution for transporting your small load carriers (SLCs), workstations, pallets, shelves and other individual trolleys. With its autonomous navigation, the system quickly adapts to new tasks and is suitable for a wide range of applications. The integrated sensors allow for safe, trouble-free navigation, ensuring the safety of both your employees and the vehicle. The ReBeLMove Pro also offers a cost advantage of around 25% over comparable autonomous mobile robots (AMR).

The ReBeLMove Pro is easy to set up and control thanks to the user-friendly web app. It communicates seamlessly with virtual interfaces (REST API) and physical IoT devices, assuring automated process control. The process parameters are continuously monitored and transport orders are started

automatically: for instance, it is possible to open and call lifts. At assembly lines or machines, you can order replenishment manually or via an IO module as required.

In addition, the optional fleet manager allows entire fleets of the ReBeLMove Pro to carry out transport tasks efficiently and without interrupting work processes.

- **Very simple implementation thanks to intuitive, user-friendly interface of the web app**
- **Communication via virtual (REST API) and physical IoT devices**
- **Integrated software for navigation and optional fleet management, compatible with VDA5050**
- **Approx. 8 hours operating time**
- **Up to 250kg load capacity and up to 900kg tensile weight**

Applications

The following production processes can be automated with ReBeLMove Pro: supplying and emptying machines, supplying manual workstations, transporting empty containers, replenishing goods, transporting order picking trolleys, carrying out quality processes and providing tools to operatives.

Integrated fleet management

Do you already have other AMRs in use and want to add one or more ReBeLMove Pro to your existing fleet? With the optional fleet manager, operators can control ReBeLMove Pro fleets and mixed fleets reliably and without collisions. The fleet management system is compatible with VDA5050.

Intuitive app

Set-up, customisation and operation via central web app. The intuitive user interface works on all operating systems: Android, iOS, web and Windows.



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Product range

Part No.	Length*	Width*	Height*	Approx. load capacity	Approx. tensile load	Speed
	[mm]	[mm]	[mm]	[kg]	[kg]	[m/s]
REBEL-MOVE-KIT-01	795	560	195	250	900	2

Part No.	Weight	Nominal voltage	CE	Ampere-hour	Protection class
	[kg]	[V]	[Level]	[Ah]	[IP]
REBEL-MOVE-KIT-01	73	52	CE/Performance Level D	29	40

*Dimensions of the mobile robot platform

Kit contents

- **ReBeLMove Pro:** mobile robot platform
- **Charger:** reliable charger for constant machine readiness
- **Charging dock with housing and marker plate:** makes charging easier and ensures secure storage
- **One-year update and support service**



Sensor technology

By using the following sensors and components, the ReBeLMove Pro fulfils the CE requirements and achieves Performance Level D:

- SICK LiDAR sensors at the front and back for safety and localisation
- Two-channel emergency stop



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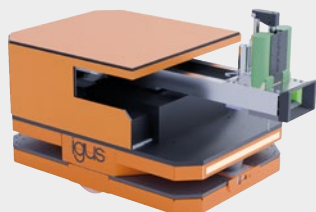
Hook station bundle

Automated hooking, travelling and positioning. Ideal for mobile workstations, allows quick adjustments and efficient material provision, is compatible with various shelf types and stations



Hook trolley bundle

Powerful transport for up to 900kg - compatible with various trolleys, optimises routes and simplifies order picking thanks to automation.



Pick by light bundle

ReBeLMove Pro incl. shelving system uses visual light signals to precisely indicate the removal points. Automated picking reduces errors, saves time and minimises physical strain.



Lifter and conveyor bundle

The ReBeLMove Pro with height-adjustable conveyor belt ensures smooth transport on different levels. Its synchronisation helps prevent material jams and fewer manual interventions reduce the error rate. Compact and space-saving, ideal for machines, shelves or assembly lines.



Cobot lifter bundle

ReBeLMove Pro with collaborative robot, height-adjustable lifting column and conveyor belt. Ideal for precise handling and safe transport of SLCs across different levels on machines or assembly lines.



Customised products

We offer customised adaptations of our standards to best suit your specific applications or existing machines.

The benefits at a glance

- Short ROI: 12 to 24 months
- Profitable from an AMR
- Quick setup
- Modular system is easy to adapt to individual processes that frequently change
- No lane markings or tracks
- Add further AMRs at any time
- Can be fully integrated thanks to various interfaces: IoT, VDA5050, REST, SAP, ERP