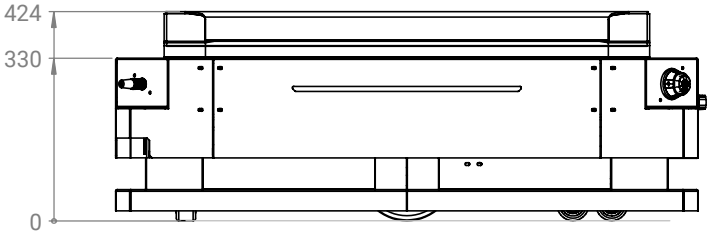


AMR

VOYAGER S100

Heavy duty. Smart control.



The **Voyager S100** is an Autonomous Mobile Robot (AMR) designed for advanced indoor logistics. With a payload capacity of up to 1000 kg, it ensures efficient, safe, and continuous material handling in industrial environments. Thanks to **precise navigation**, wireless charging, and high autonomy, it integrates seamlessly into existing workflows, improving operational efficiency and reducing manual intervention.

VOYAGER S100

Type	Autonomous Mobile Robot (AMR)
Payload (kg)	1000
Use	Transport for indoor logistic
Color	Black RAL 9005 / Dark Gray RAL 7024 / Light Gray RAL 7001

MECHANICAL CHARACTERISTICS

Length (mm)	1200
Width (mm)	800
Height (mm)	350
Weight (kg)	200
Ground clearance (mm)	25
Load surface (mm)	1200 × 800
Total height in lifted position (mm)	500
Lifting height (mm)	150

NAVIGATION GUIDANCE

Positioning precision (mm)	±20 (with optimal environment fixed references)
Angular precision (°)	±2
Maximum speed (m/s)	1.5
Maximum obstacle height (mm)	20
Minimum corridor width ISO 3691-4 (mm)	1800
Minimum width ISO 3691-4 – rotation in place (mm)	2400

BATTERY & RECHARGE

Battery type	LiNMC
Rated Voltage (VDC)	51.8
Charger connection type	Wireless
Recharge time (min)	< 60 (20% – 80%)
Autonomy	8h continuous movement @ full load – with 1 battery
Capacity	29Ah/58Ah

ENVIRONMENT

Ambient temperature (°C)	-5 ÷ 45 (Rated performance @ 25°C)
Humidity	10–95% without condensation
Type of environment	Indoor

SAFETY

Laser Scanner	2 safety laser scanners, give 360° visual protection around the robot
Safety area covered	360° up to 9m distance – 64 different programmable safety areas
STO	Safety Torque Off integrated on traction wheels drives
Emergency buttons	Double emergency button

CONNECTIVITY

Fieldbus	ProfiNet / CAN open fieldbus
WiFi connection	IEEE 802.11 a/b/g/h/n, 2.4 / 5 GHz all country certified

CONFORMITY

Industrial vehicles standard	EN 3691-4, EN IEC 62046

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