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# VOYAGER 50

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INTRALOGISTICS

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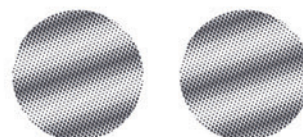
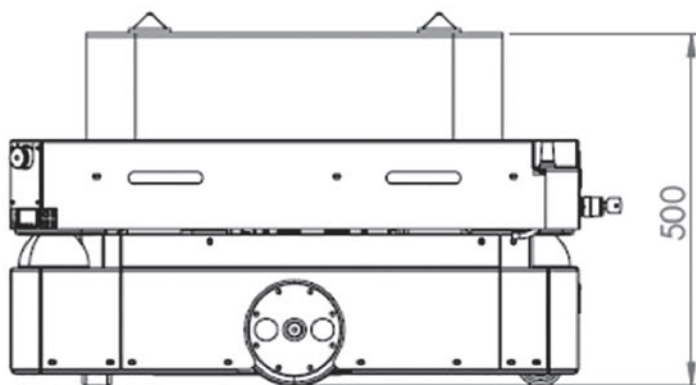
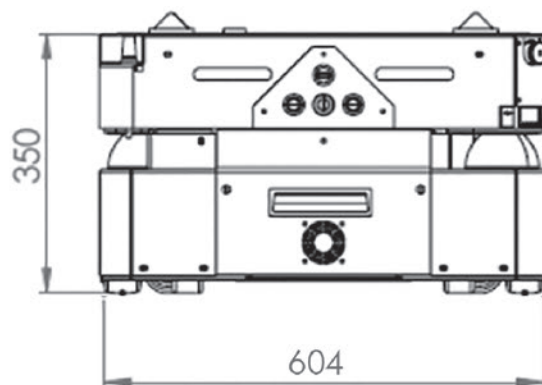


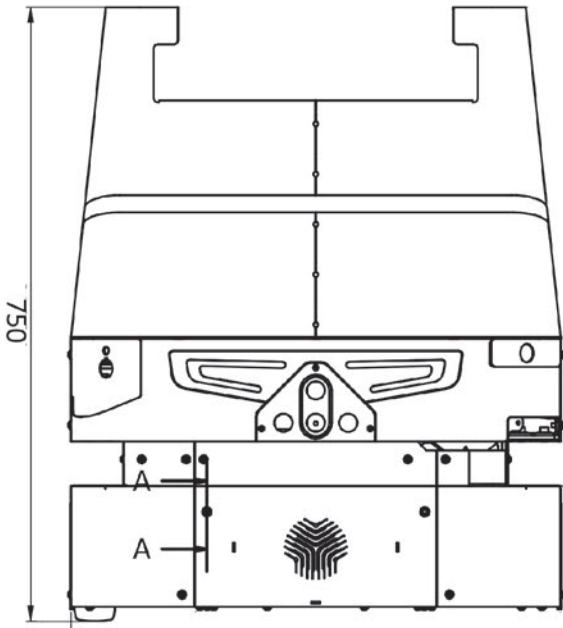
## VOYAGER S50

Its purpose is to **automate and optimize the transportation of components.**

Thanks to a lifter Voyager S50 can move, lift, pick and drop different objects autonomously.

A 500 kg payload and dimensions of 800x600 mm allow to transport loads without any other safety measure, even in crowded environments.



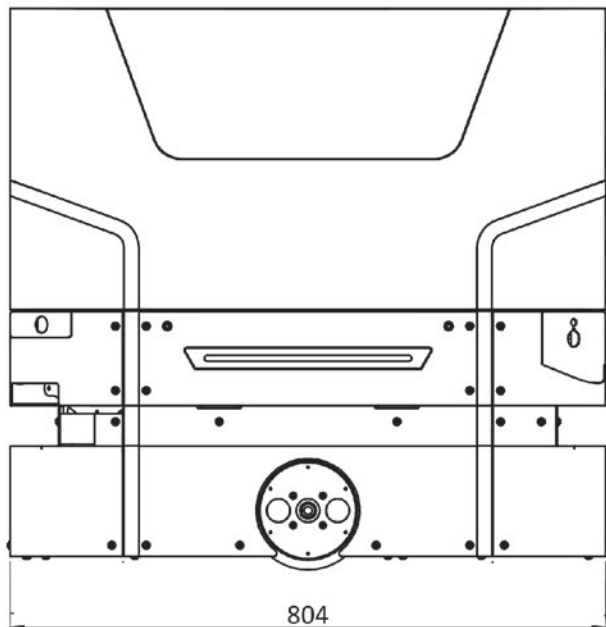


## VOYAGER N50

Its purpose is to **automate and optimize the transportation of components.**

Thanks to an automatic conveyor Voyager N50 can move, lift, pick and drop different objects autonomously.

A 500 kg payload and dimensions of 800x600 mm allow to transport loads without any other safety measure, even in crowded environments.





## GENERAL CHARACTERISTICS

Type	Autonomous Mobile Robot (AMR)
Payload (Kg)	500
Use	Transport for indoor logistic
Color	Black RAL 9005 / Dark Gray RAL 7024 / Light Gray RAL 7001

## MECHANICAL CHARACTERISTICS

Length (mm)	804
Width (mm)	604
Height (mm)	350
Weight (kg)	172
Ground clearance (mm)	25
Load surface (mm)	550x550
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 according to ISO 3691-4 (mm)	1600
Minimum width according to ISO 3691-4 (rotation in place) (mm)	2000

## 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

## 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

## CONFORMITY

Industrial vehicles standard	EN 3691-4, ENIEC 62046
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## CONNECTIVITY

Fieldbus	ProfiNet / CAN open fieldbus
WiFi connection	IEEE 802.11 a/b/g/h/n, 2,4/5 GHz all country certified

[www.polytecintralogistics.com](http://www.polytecintralogistics.com)

