

OTTO

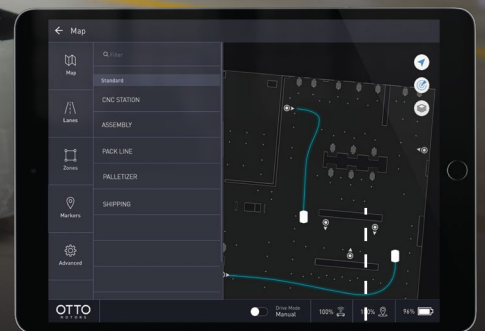
MOTORS

OTTO 100

The OTTO 100 is an industrial strength Autonomous Mobile Robot (AMR) that safely moves boxes, bins, carts and other lightweight payloads to increase materials handling throughput in factories and warehouses.

Uncompromised durability and performance

With a rugged all-metal body construction, rocker-style suspension and best-in-class electric powertrain, built to perform in the world's toughest manufacturing environments year after year.



Safety-rated and people-friendly

Equipped with the latest laser and 3D camera sensors, OTTO 100 is smart enough to operate autonomously even in the most dynamic manufacturing environments, and safe enough to work alongside your people.

Built for enterprise scale

Seamlessly integrate OTTO 100 with industrial workflows, through flexible APIs, using the industry's most powerful enterprise fleet management software – OTTO Fleet Manager™.

Transform materials movement with OTTO

Trusted by Fortune 500 companies across the globe, the OTTO solution includes the industry's most durable AMRs and attachments plus mission control software to manage a single robot or an entire enterprise fleet - easily and securely. Smart enough to navigate your facility without the need for magnetic guides or infrastructure, and safe enough to work alongside your people, OTTO moves material through your facility, faster and more efficiently than ever before.



OTTO 100 V2.5

APPLICATION

OTTO 100 autonomously moves boxes, bins, and other lightweight payloads.

SPEED AND PERFORMANCE

Maximum Total Payload	150 kg (331 lbs)	Turning Radius	0 mm
Maximum Speed	2.0 m/s (4.47 mph)	Suspension	Fixed
Docking Accuracy	X,Y Accuracy ± 1 cm, Yaw $\pm 1^\circ$ Docking accuracy is subject to the deployment. Please speak to your OTTO Motors representative for more information.		

SIZE AND WEIGHT

Dimensions	740 x 550 x 308 mm (29.1 x 21.7 x 12.1 in)	Mass	107 kg (236 lbs)
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BATTERY AND POWER SYSTEM

Nominal Battery Voltage	26.4 V	Battery Capacity	35Ah
Managed Battery Charging	OTTO AMRs are capable of 24/7 continuous operation with ~85% individual robot availability. This is achieved with automated opportunistic charging without human intervention. Battery charge levels are intelligently managed by the OTTO Fleet Manager™ software.		

INTERFACING AND COMMUNICATIONS

Attachments and Accessories	Staging cart with user configurable options including shelving	Attachment Supply Power	Unregulated Battery Voltage 19 VDC to 32 VDC, Nominally 26.4 VDC - 12 A Maximum
Integrated Lift	62 mm (2.44") stroke, 150 kg capacity	Custom Attachment Interface*	1x Ethernet POE RJ-45, 1x USB3.0a Type A, 16x DIO (8x DI, 8x DO), 2x e-stop extension, 1x serial RS-232, 2x dry contact relays, 1x Auxiliary Monitor Contact
Communication	WiFi 2.4 / 5 GHz (802.11 a/b/g/n/ac)		

SAFETY AND AUTONOMY SENSORS

Sensors and Cameras	Hokuyo Safety Laser Scanner, 3D Cameras with 90° front coverage, ToF rear sensor with 90° reverse coverage	Lights and Emergency Stopping	Perceptive 360° LED lighting, 2 emergency stop buttons
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About OTTO Motors

OTTO Motors provides autonomous mobile robots for material handling inside manufacturing facilities and warehouses. OTTO is trusted for mission-critical deliveries in the most demanding of industrial environments. Customers include some of the world's most recognized brands, including GE and Toyota.

For more information visit
www.ottomotors.com
 or call us at
1-844-SEE-OTTO (1-844-733-6886)