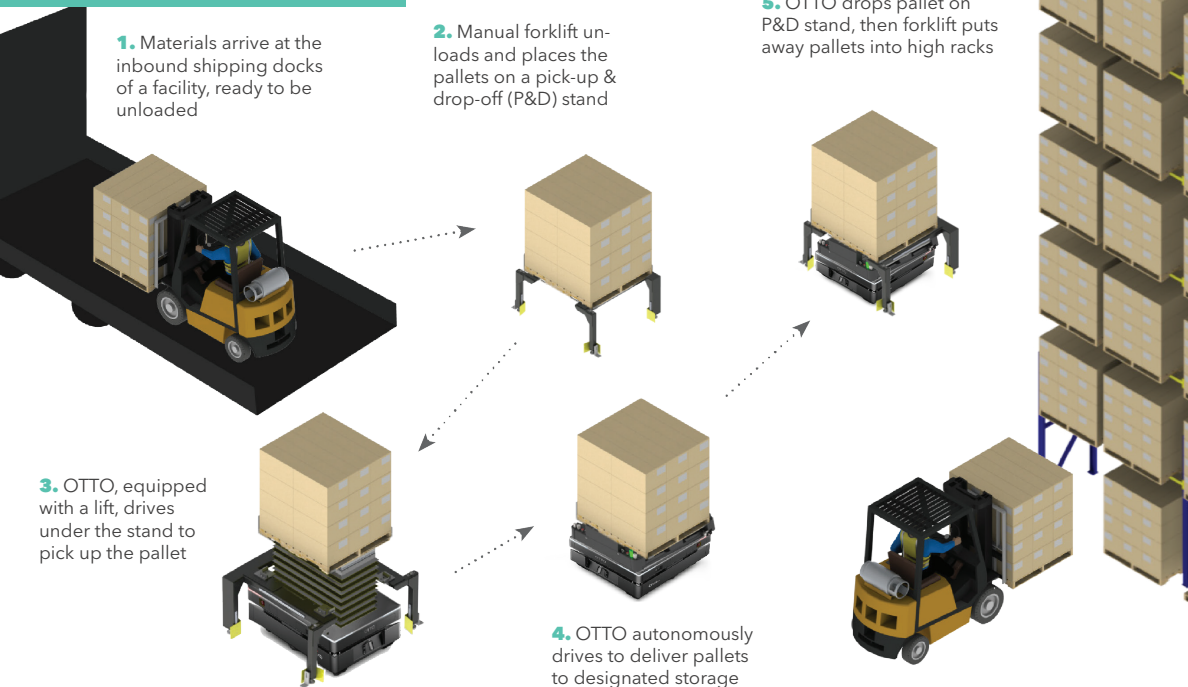


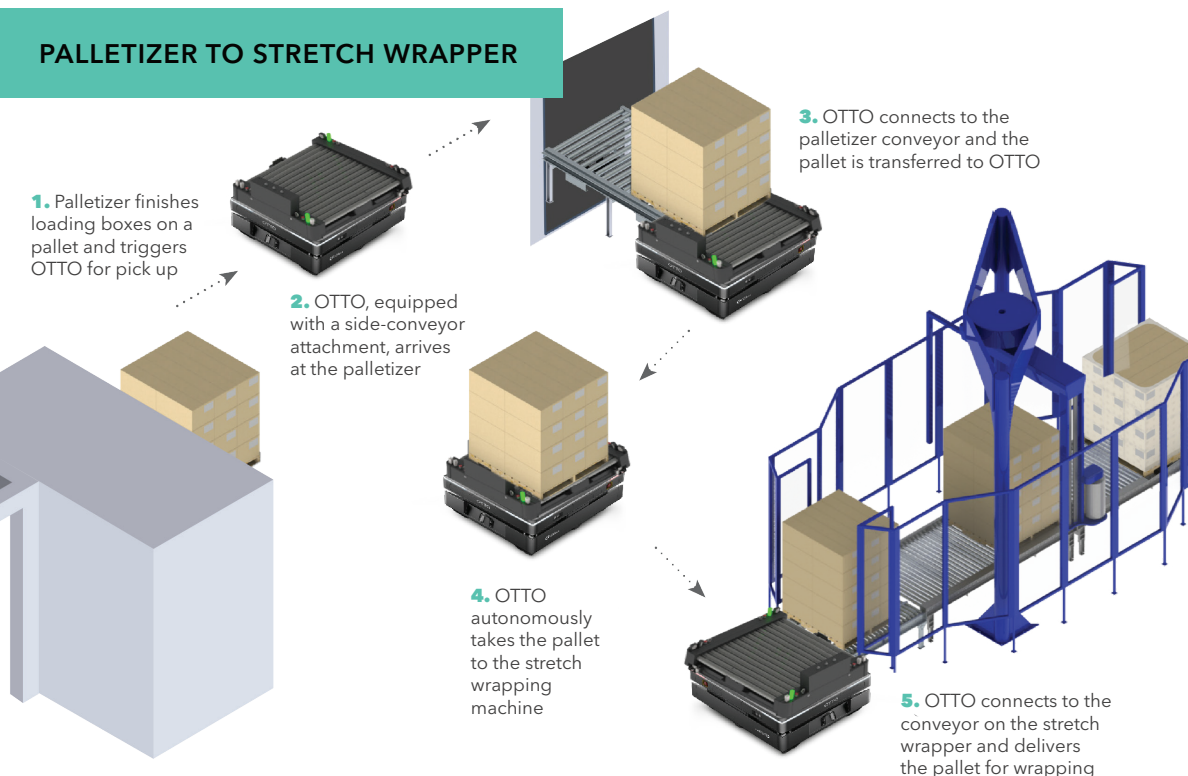
# Automate Workflows in Your Facility

Industry's most robust and nimble mid-sized Autonomous Mobile Robot (AMR), OTTO 600 efficiently moves loads up to 600 kg in the tightest environments.

## INBOUND TO STORAGE



## PALLETIZER TO STRETCH WRAPPER



### REDUCE COSTS

OTTO reduces time wasted and variability with manual material handling by operating on a lean approach.



### ADDRESS LABOR SHORTAGE

OTTO AMRs enable businesses to address labor shortages and eliminate FTE spend on low value and repetitive work.



### ACHIEVE ENTERPRISE SCALE

Unlike other AMR providers, OTTO Motors' customers are able to operate at scale with 1 to 100 robots to optimize productivity.



### OPTIMIZE PRODUCTION

OTTO enables flexibility in material handling and faster product cycles that can ramp up and down based on demand.



### IMPROVE SAFETY

OTTO Motors AMRs are uncompromising when it comes to safety.



## OTTO 600

OTTO 600 is a rugged AMR that efficiently moves your material in tight spaces and demanding environments without compromising on safety. With a robust all-metal body, industrial-grade components and top-tier electric powertrain, OTTO 600 is built to perform in the toughest manufacturing environments.

### PERFORMANCE

<b>Max Capacity</b>	600 kg (1320lbs) Includes Payload and Attachment, if any	<b>Max. Turning Speed</b>	0.8 rad/sec (45°/sec)
<b>Max. Speed</b>	2.0 m/sec (4.5mph)	<b>Max. Docking Speed</b>	0.3 m/sec (0.7mph)
<b>Docking Accuracy Standard</b>	±10mm (x,y,) ± 1° $\varphi$ (yaw) Repeatable to 3 $\sigma$		

### CHASSIS

<b>Dimensions</b>	1050x700x320 mm (41.3 x 27.6 x 12.6 in)	<b>Suspension</b>	Passive, Rocker
<b>Mass</b>	250 kg (551lbs)	<b>Ground Clearance</b>	30 mm (1 3/16 in)
<b>Turning Radius</b>	Turn in place	<b>Floor Obstacle</b>	4 mm (5/32 in)

### ENERGY SYSTEM

<b>Battery Capacity</b>	21Ah	<b>Battery Voltage</b>	48V
<b>Max. Charge Rate</b>	42A	<b>Battery Life</b>	6000 full charge cycles
<b>Charge Time</b> (10% to 90%)	30 min	<b>Battery Charging Options</b>	Autonomous Opportunity Charging (Default) Manual Charging

### SAFETY SYSTEM

<b>Adaptive Fieldsets</b>	Intelligent PL-d rated switching fieldsets (patent-pending)	<b>Standards Compliance</b>	Designed in accordance with present standards. Passed in accordance with CE.
		<b>Manual Control</b>	Pendant-based manual control. Guided autonomous control available via OTTO software interface.

### ATTACHMENT INTERFACE

<b>Power Interface</b>	24 VDC, 1A, regulated, unswitched 48 VDC nominal, 3x16A, unregulated
<b>Signal Interface</b>	Ethernet, USB CAN Bus, GPIO Safety I/O
<b>Safety Interface</b>	Dual-channel E-Stop breakout, 2 safety-rated GPIO

### ACCESSORIES (Sold Separately)

<b>Charging</b>	Autonomous Supercharger (100A) Manual Trickle Charger
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### CONTROL SYSTEM

<b>Sensors</b>	2x Forward facing 3D Perception Cameras 2x LiDAR 6-axis IMU
<b>Computer</b>	Fanless Embedded Computer
<b>Communication</b>	802.11 a/b/g/n/ac, 2.4 Ghz & 5 Ghz 2x Long-range Omnidirectional Antennae

### ENVIRONMENTAL

<b>IP Classification</b>	IP20
<b>Temperature</b>	5 to 40° C
<b>Humidity</b>	10-95% non-condensing

For more information visit [www.ottomotors.com](http://www.ottomotors.com)  
or call us toll-free at **1-844-733-6886**