

# HD-1500 Mobile Robot

## Product Guide



## Overview

Boasting a 1,500kg payload capacity, the HD-1500 lets manufacturers transport the heaviest of objects (including pallet-sized loads) and minimize forklift usage. The new mobile robot's sturdy metal skins withstand heavier impacts, while the proven technology from Omron LD Series of autonomous mobile robots gives the HD-1500 the self-navigating capabilities that mobile robot users count on.

With the industry-leading EM2100 Fleet Manager, autonomous mobile robot fleets can now be more diverse and still be controlled through the same system. This offers manufacturers more options in terms of customizing a mobile solution that fully meets their unique needs.

## Applications

- Transportation of engine blocks, pallet-sized loads and other heavy goods and equipment
- Automation of deck loaded tasks that are traditionally completed using forklifts, which can be hazardous

## Primary Benefits

- Transports the bulkiest of objects and withstands heavier impacts
- Minimizes forklift usage, which can be a safety hazard
- Enables increasingly diverse mobile robot fleets under Fleet Manager
- Uses the same proven technology that LD Series users are familiar with

## Key features

- 1,500kg payload capacity
- Same proven technology used in Omron's LD series
- 360° safety coverage with LiDAR technology
- Under 40 minutes for full battery charge
- Rugged metal skins that withstand heavier impacts

# HD-1500 Product Selection

Part Number Configurator 37     -   
 (1)(2)(3) (4)



No.	Item	Specification		Symbol
1	Robot Type	HD-1500		4
2	Speed & Payload	1.8 m/s	1500 Kg	8
3	Laser Version	Omron (HD)		0
4	Configuration	Standard HD-1500	Robot	00000
			Robot, Dock	00002
			Robot, Side Lasers	00010
			Robot, Single HAPS	00100
			Robot, Single HAPS, Side Lasers	00110
			Robot, Double HAPS	00200
			Robot, Double HAPS, Side Lasers	00210
			Robot, Dock, Joystick/Pendant, Top Plate	10004
			Robot, Dock, Single HAPS, Joystick/Pendant, Top Plate	10104
			Robot, Dock, Single HAPS, Joystick/Pendant, Top Plate, Side Lasers	10114
			Robot, Dock, Double HAPS, Joystick/Pendant, Top Plate	10204
			Robot, Dock, Single HAPS, Joystick/Pendant, Top Plate, Side Lasers	10214

## HD-1500 Accessories

Item	Description	Model
Battery	Power battery	68330-000
Fleet Manager	HD Mobile robot fleet supervisor	20271-900-OEI-5