



Special modules for mobile robots



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WE DELIVER EFFICIENT SOLUTIONS,
TO HELP REDUCE MANUAL LABOR.



Let the robot do the LIFT - PULL - PUSH



A mobile robot solution for your needs...



FOR A NUMBER OF YEARS,
CESTEK AUTOMATION HAS SPECIALIZED IN
PRODUCING ACCESSORIES FOR OMRONS
MOBILE ROBOTS.

The modules, mounted on a mobile robot,
increase the efficiency and capacity of your
production.

Whether you are a mobile robot integrator or
manufacturer, we sell the modules separately,
so if you already have Omron robots in your
production, you can simply buy the modules
you want.

If you, as a manufacturer, are about to start
implementing mobile robots in an existing
production, then we can also help - we have
the experience and are always ready for a
dialogue about the considerations and issues
you have, in connection with the integration
of one or more mobile robots in an existing
environment.

OMRON

SOLUTION
PARTNER

COMPABILITY MATRIX - CESTEK SPECIAL DESIGNED MODULES

Available/recommended add ons

Omron Robot	Transport of	Lift	Conveyor	Spacer	Cart 500	Cart Coupling	Pallet Stand
LD-60/90	Boxes- Trays - Sacks	REX 100	CNV61R CNV62R	•	•	DOX 100*	
LD-250	Boxes - Trays - Sacks - Half Pallet	REX 250 C REX 250 M	CNV61R250	•	•	DOX 250	
MD-650/900	EUR-Pallet	REX 650* HDX 30-2	CNV61R650*		•	DOX 1000*	•
HD-1500	US-Pallet 2 x EUR-Pallets	REX 1250 HDX 35C HDX 30-2	CNV61R1500				•

*not shown in catalog



DOX 250

Type: CESTEK trolley coupling
SKU: 20110000

-  LD-250
-  500 kg
-  Datasheet

Add-on for autonomous mobile robots, moving loads of up to 500 kg. Ensures an easy and reliable connection of mobile robot and cart. Made of solid materials that can withstand an industrial environment. Can easily dock in and out of a cart with your mobile robot, to take the cart and drop it off at a desired location.
We supply both the unit for the robot and the number of top units for carts you need. The trolley coupling is delivered incl. control box and drawings of interface.

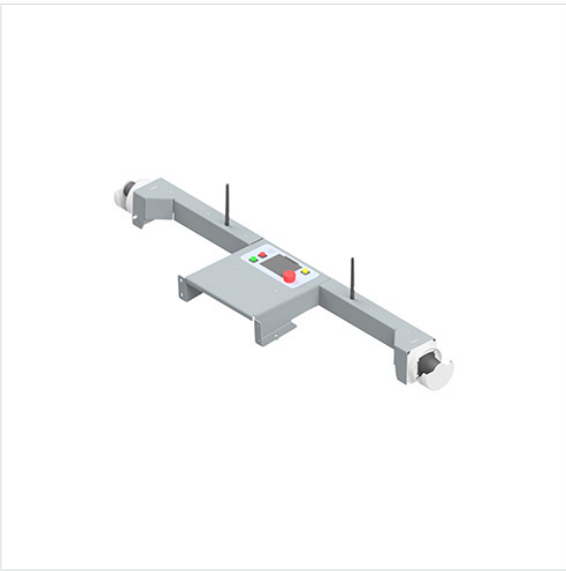


DOX universal top

Type: Unit for cart
SKU: 20110002

-  LD-250

Unit for cart, used with DOX 250 on your own cart.



Sidelaser Boom

Type: Boom for sidelaser mounting
SKU: 20110003

-  LD-250

Boom for sidelaser mounting on LD-250 used with CestTek trolley coupling.



CART 500

Type: Cart transport for LD-250
SKU: 20106000

-  LD-250
-  500 kg

Transport of boxes, pallets, sacks etc. up to 500 kg. Used with DOX 250, which hooks up with the cart and drives it to the designated station.



Pallet Stand

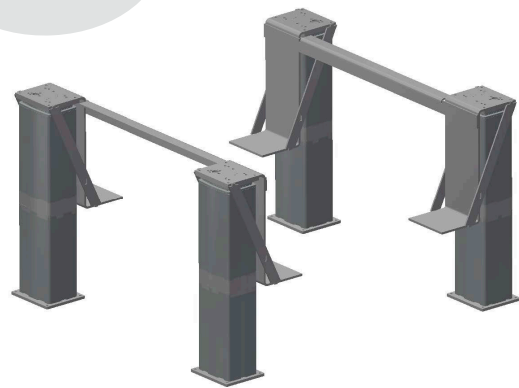
Type: Generic Pallet Stand
SKU: ST 20201000 /WD 20201500

-  Compatible/Rec. with HD-1500 MD-650*
-  1250 kg
-  Datasheet

CESTEK Generic Pallet Stand is compatible with HD- 1500 or *MD-650 - equipped with HDX 30-2 pallet lift. The pallet stand can also be serviced with a truck or electric pallet lifter.
The stands can be setup for both EUR pallets or US pallets. With bolt holes for floor fixation. Pallet platform height 340 mm.



NEW
Coming soon



ELV 1000



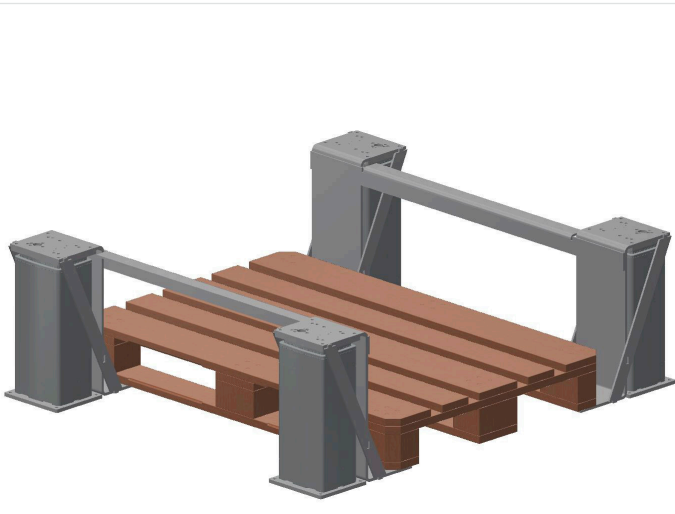
MD-650

Type: Lift Station
SKU: 20150000

Lift station, designed to exchange pallets with a autonomous mobile robot MD-650 equipped with HDX 30-2 lift. The robot docks in to the lift station, which elevates/lower the pallet from/to the floor.



Robot docked in and pallet unloaded to the lift station.



Robot docked out and pallet lowered to the floor.



Spacer



LD-60/90

Type: Spacer for LD-60/90
SKU: 423022-0002

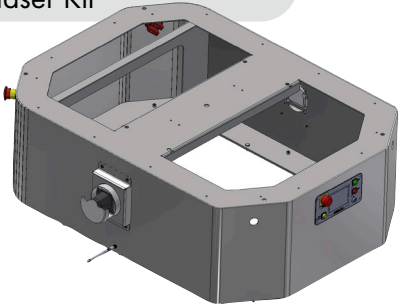
- Powder coated aluminium
- 24 V IO controller
- Available in variable height, minimum 150mm

Options:

Extra emergency stop
PLC for advanced control and data processing
Side Laser Kit

Options:

Extra emergency stop
PLC for advanced control
and data processing
Sidelaser Kit



Spacer



LD-250

Type: Spacer for LD-250
SKU: 423022-0003

Designed to match the body of the LD250 at 100%. Standard height 420 mm. Has mounting plates for sidelasers, extra emergency stop buttons and blue light in front. Easy access hatch, for service inside the spacer.

- Powder coated aluminium
- 24 V IO controller
- Available in variable height, minimum 150mm



L-Shape

Type: Accuracy guide for mobile robot
SKU: 423021-0010

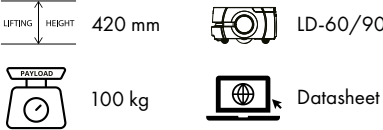
Mounted under conveyors etc. for optimized accuracy of Omron Mobile robots.

- Caps license needed
- Powder Coated Aluminum

Compatible with our floor conveyors CNV61F, CNV62F and Cart 500



REX 100



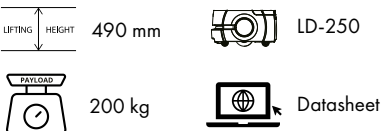
Type: Lift
SKU: 20082000+ 20082205 (Bellow Cover)

Add-on for autonomous mobile robots, and/or as a stationary workplace - lifting equipment or other loads of up to 100 kg.

Dimensions L 632 mm x W 452 mm
Height 120 mm
Lifted height 420 mm in 60 seconds.
Transport of boxes, trays, sacks etc.



REX 250 C



Type: Lift
SKU: 20220000

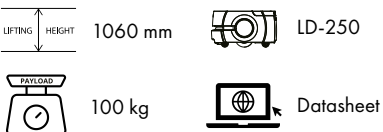
Add-on for autonomous mobile robots, and/or as a stationary workplace - lifting pallets and other loads of up to 200 kg.

Dimensions L 943 mm x W 690 mm
Height 170 mm
Lifted height 440 mm
Transport boxes, trays, sacks, half pallets, etc.

Can be combined with our top conveyor CNV61R



REX 250 M



Type: Lift with extra height
SKU: 20085000

Add-on for autonomous mobile robots, and/or as a stationary workplace - lifting equipment or other loads up to 100 kg.

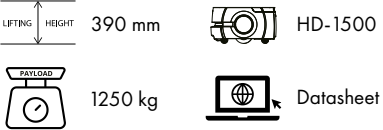
Dimensions L 943 mm x W 690 mm
Height 180 mm
Lifted height 1060 mm
Transport boxes, trays, sacks etc.

Can be combined with our top conveyor CNV61R

Improved life cycle
500.000 lifts



REX 1250 LL



Type: Lift
SKU: 20091600+20090030 (Bellow Cover)

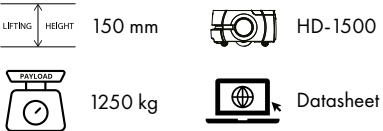
Add-on for autonomous mobile robots, and/or as a stationary workplace - lifting pallets and other loads of up to 1250 kg.

Dimensions L 1260 mm x W 820 mm
Height 130 mm
Lifted height 390 mm
Transport: boxes, trays, pallets, sacks etc.

Can be combined with our top conveyor CNV61R250



HDX 35C



Type: Low lift
SKU: 20072000

Add-on for autonomous mobile robots, and/or as a stationary workplace - lifting pallets and other loads of up to 1200 kg.

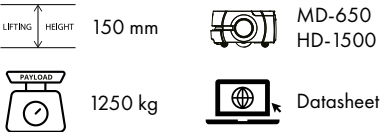
Dimensions L 1324 mm x W 884 mm
Height 90 mm
Lifted height 150 mm
Transport boxes, trays, sacks, pallets, etc.

Can be combined with our top conveyor CNV61R250

NEW
HDX 40E
with increased
payload **1500 kg**
AVAILABLE



HDX 30-2



Type: Lift
SKU: 20050005

Add-on for autonomous mobile robots. Lifting pallets of up to 1250 kg from a pallet stand. Drives it to the destination and delivers it on another pallet stand.

Dimensions L 1200 mm x W 161 mm (each leg)
Height 90 mm
Lifted height 150 mm

Recommended with our Pallet Stand 20106100
or Lift station ELV 1000



CNV61R60

Type: Top Conveyor - Single
SKU: 423022-0000

- CESTEK Spacer
- Conveyor with aluminium Chassis
- Steel Rollers

Option:
PUR-coated rollers



LD-60/90



Datasheet



CNV61F

Type: Floor Conveyor - Single
SKU: 423023-0000

- Steel frame
- Steel rollers
- Standard conveyor width 420 mm
- Electric: 24VDC Drum motor with speed control or 230 V Conveyor control

Options:
Optional width
PUR-coated rollers
System control for subsequent conveyors



LD-60/90



50 kg



Datasheet



CNV62R60

Type: Top Conveyor - Double
SKU: 423022-0001

- CESTEK Spacer
- Conveyor with aluminium Chassis
- Steel Rollers

Option:
PUR-coated rollers



LD-60/90



Datasheet



CNV62F

Type: Floor Conveyor - Double
SKU: 423023-0001

- Steel frame
- Steel rollers
- Standard conveyor width 420 mm (per lane)
- Electric: 24VDC Drum motor with speed control or 230 V Conveyor control

Options:
Optional width
PUR-coated rollers
System control for subsequent conveyors



LD-60/90



50 kg



Datasheet

Options:
PUR-coated rollers
Lifting unit (instead of spacer)
Sidelasers
420/820 mm conveyor



CNV61R250

Type: Top Conveyor - Single
SKU: 423022-0005

CESTEK top single conveyor with drum motor, spacer and electrical equipment. Designed to receive and unload boxes from conveyor. Conveyor has sensors for box detection built in.

- CesTek Spacer (H 150-800 mm)
- Conveyor with aluminium Chassis
- Steel Rollers W 620, pitch 90 mm
- Std. height 800 mm to roller top

Dimensions L 1050 mm x W 720 mm



LD-250



Built-in Sensor

Options:
PUR-coated rollers
Sidelasers
Lifting unit
Pallet stand
Weight measurements



CNV61R1500

Type: Top Conveyor - Single
SKU: 423022-0006

CESTEK single Conveyor for HD 1500, drum motor, spacer and electrical equipment. Conveyor has sensors for pallet detection built in.

Transport of EUR, US and half pallets

Dimensions: L 1324 mm x W 884 mm x H 190 mm
Weight 150 kg



HD-1500



1500 kg

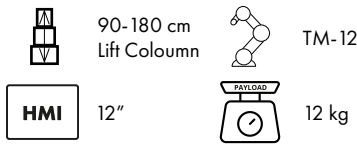


Built-in Sensor



CoPal

Type: Enterprise
SKU: 30010012



When your company wants to automate palletizing with one complete purchase. In collaboration with Omron, we deliver the complete solution for palletizing.

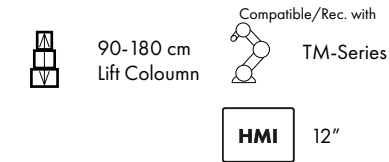
With the Enterprise-package you get:

- All from CoPal Pro
- TM12 cobot from Omron
- Standard tool for cardboard boxes



CoPal

Type: Pro
SKU: 30010011



A flexible plug & play solution for your own cobot.

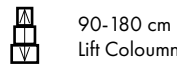
With the Pro-package you get:

- All from CoPal Basic
- Complete electrical panel
- PLC-based solution
- HMI which makes it easy to configure the setup
- Intuitive operator control



CoPal

Type: Basic
SKU: 30010010



Basic element for those of you who supply robots and controls yourself.

Basic-package includes:

- CoPal frame
- All metal parts and our custom designed lifting column* (90-180 cm.)
- Fuse, cable, freight and full documentation

*enables your robot to palletize up to 180 cm in height

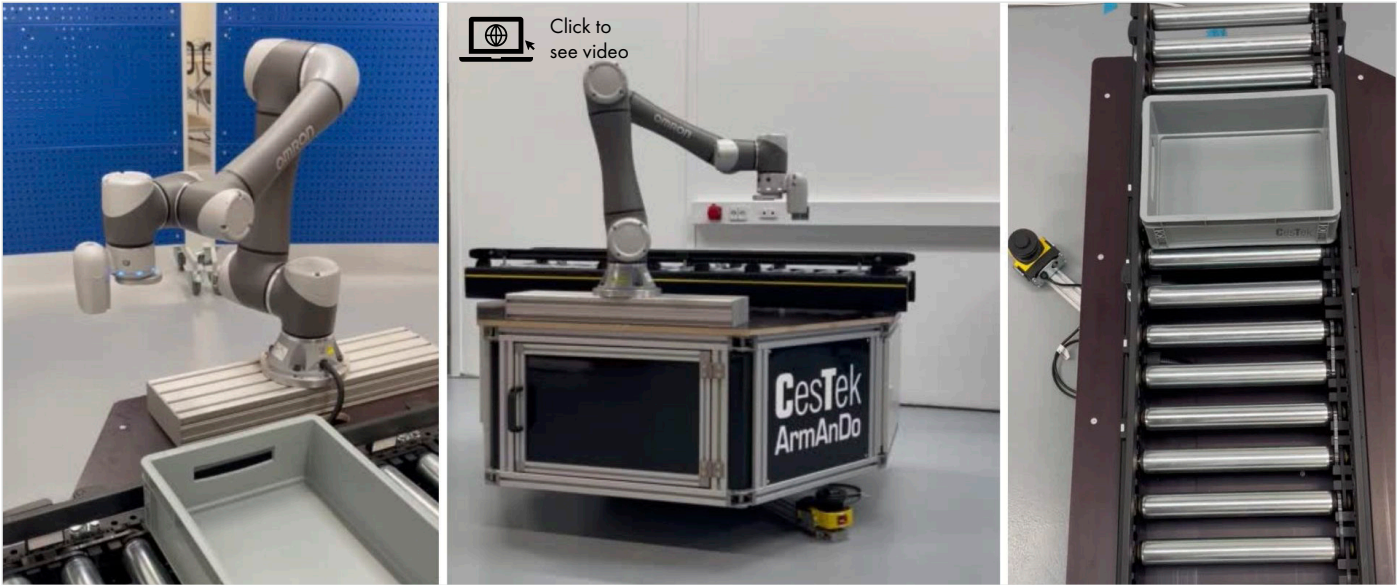
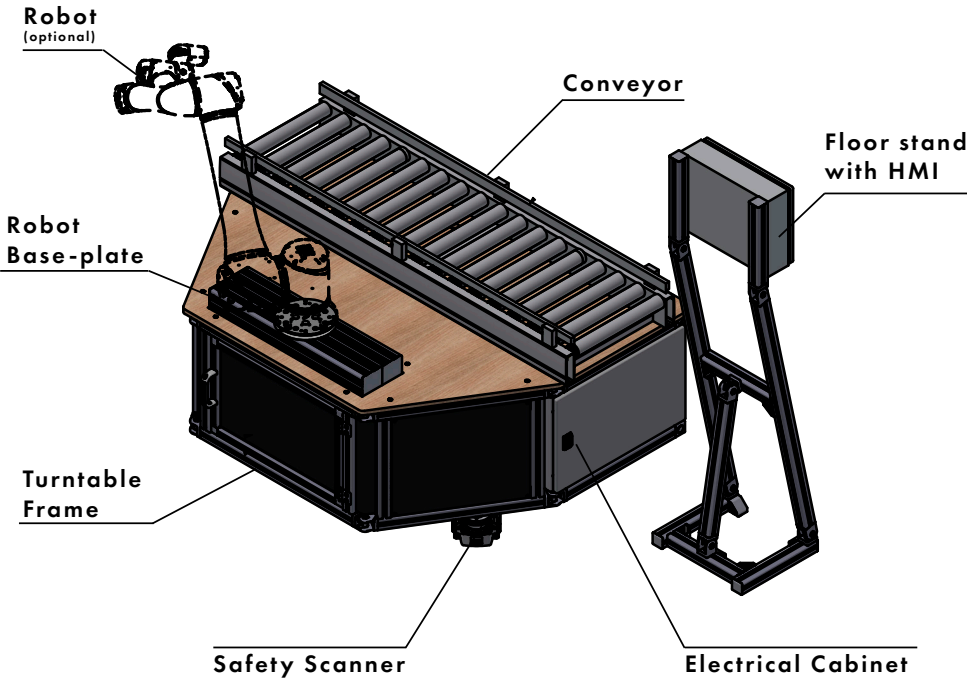


ArmAnDo

Type: Compact Multifunctional Turntable with Conveyor and cobot base (ex. cobot)

With the Standard-package you get:

- Cobot base (robot not incl.)
- Integrated conveyor
- 360° Safety Scanners
- Accuracy - 0,01 mm
- Repeatability - 0,02
- Rotation speed - 0,83 r/m
- Easy access HMI - Floorstanding
- L1600 x W1200 x H800 mm





WMR

 LD-60/90

Type: Warehouse Management Robot

We deliver an integrated solution that includes both software and robots, so that it fits your specific needs. We adapt the solution to the number of racks and the size of the boxes needed in your warehouse.

The solution can handle many of the physical and routine tasks, so that your employees get rid of the tedious work tasks and thus you achieve a better working environment.

By choosing our solution, you will be able to process several orders with the same staff and at the same time achieve a faster delivery because the unproductive time for the employees is minimized, as they do not have to go so many times between storage locations and packing tables.

A mobile robot solution like this gives you an opportunity to automate part of your warehouse without having to invest in a fully automatic solution.

In short, you achieve:

- Increased order flow with the same staffing
- Better working environment
- Minimized picking time



MOMA

 TM-12
 LD-250

Type: Mobile Manipulator
SKU: 423022-0004

CesTek Mobile Manipulator, ex. gripper

MOMA is overall a Omron LD-250 with a reinforced Cestek Spacer and a TM-12 on top.

MOMA is designed to bring higher autonomy to production machines, it enables loading and unloading of parts without human intervention. Additionally, the automation of parts handling between different production operations such as measuring, marking or packaging, can be accomplished.

The Kit contains:

- 1x LD-250
- 1x Battery LD-250
- 1x CesTek Spacer for LD-250
- 1x TM 12

Option:

Sidelasers





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