

 **O V I S O**
ROBOTICS



Ovi

**COLLABORATIVE, MOBILE,
MULTI-APPLICATION ROBOT**

The shortest setup time and
zero human error



POINT ZERO - POSITION CALIBRATION

Thanks to this method, the robot determines the exact position in which it is located and automatically shifts the waypoints so that the robot is immediately ready to work without requiring the intervention of the integrators. Everything is at a Click distance.

Advantages:

3 MINUTE CONFIGURATION
vs. 2 to 10-day configuration
in case of other robots

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NO SPECIALIST NEEDED

STATION MANAGER

Manages the specific end effector for each station, monitors the stations where a robot was installed and manages the installation files for each station.

This reduces the human error of configuring the IOs for a new station to zero.

Advantages:

0 HUMAN ERROR
vs. problems that may arise
when setting up the IOs manually

FAST TOOL CHANGE SYSTEM

The SCHUNK mechanical system grants easy replacement of the tools, when the robot is moved to another station. Moreover, the software function implemented by OVI automatically recognizes the end effector mounted (TCP, COG, weight) and automatically sets the new parameters so that the tool is ready to work.

Advantages:

5 SECONDS CONFIGURATION
vs. 1 to 2-hour with other robots

0 HUMAN ERROR

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INSTANT DATA INPUT WHEN CHANGING TOOL

MAGIC CONNECTOR

An OVI patent, this high-speed port provides all the necessary resources for running the OVI robot: power supply, air, Internet, and GPIO. With a poka yoke design approach the connector cannot be swapped.

Advantages:

5 SECONDS SWITCH
OVI is switched on in 5 seconds vs.
16 hours (most other robots).

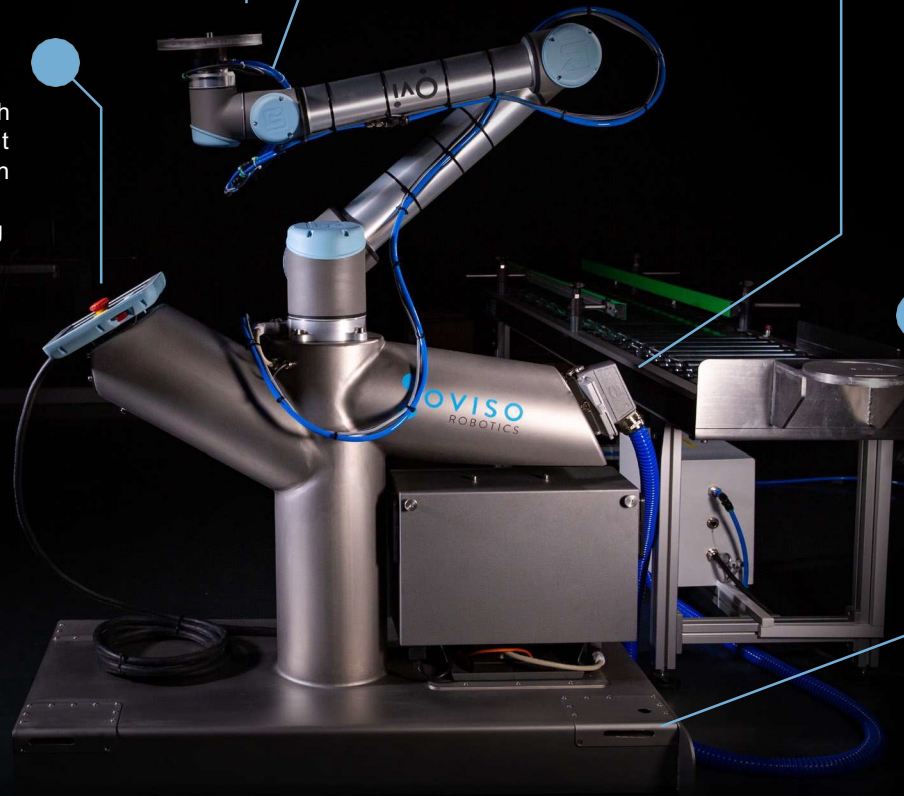
BUILT IN SENSORS

Ovi has the necessary sensors integrated to serve any application.

4 diffuse reflection sensors, They detect if the transpallet is correctly placed, recognize the pallets during the palletization process;
Air sensor, monitors the presence of compressed air necessary to start the robot, thus avoiding accidental damage;
TP sensor, which detects if the TP is in place (this sensor aims to increase the level of SAFETY).

Advantages:

OPERATIONAL SAFETY AND PROTECTION
AGAINST INADEQUATE USAGE



ZERO HUMAN ERROR, REGARDLESS OF INDUSTRY OR APPLICATION

OVI CAN BE HANDLED BY ANYONE AND
LEAVES NO ROOM FOR MISTAKES

The robot is delivered in two versions: BASIC or TURN-KEY. In the latter, OVI is equipped with one or several optional packages (hardware and software), each representing a production-ready solution.

SMS NOTIFICATION

OVI has an integrated cloud platform, which is part of the UR+ ecosystem. This platform monitors OVI remotely, anywhere, any time, on any device! For urgent matters the operator is notified via SMS by the cloud platform.



MOVE OVI FAST, RIGHT WHERE YOU NEED IT!

ONE MOBILE ROBOT, MULTIPLE OPERATIONS



FLEXIBILITY & ADAPTABILITY

In a few moments, OVI is ready to pick up a new task, whenever needed. You can quickly move it from one station to another, using a manual forklift or an AGV.

NO SPECIALIST NEEDED

The robot's tasks can be managed by anyone, using the intuitive interface created by OVISO Robotics.

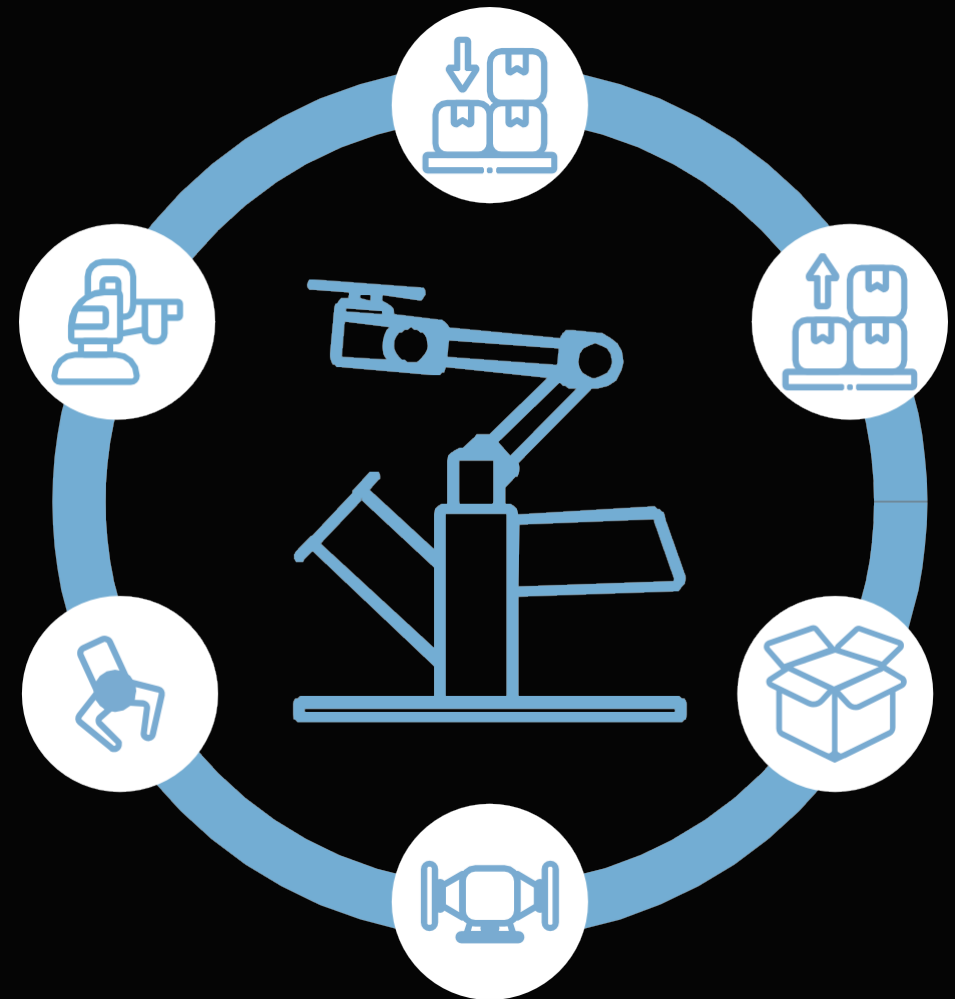
PROFITABLE INVESTMENT

Using the cloud dashboard the robots can be monitored and controlled; Automated KPIs report generation upon request. Moreover, the software platform can be updated at any time and allows you to modify the robot's production tasks, according to the beneficiary's needs.

SOLUTION COMES IN PACKAGE!

OVI CAN BE EASILY CUSTOMIZED ACCORDING TO YOUR PRODUCTION NEEDS

- OVI can be purchased either in BASIC version or as a TURN-KEY SOLUTION.
- The BASIC option consists in a framework with multiple sensors and features over which the customer can easily add a custom end effector for its necessity.
- The TURN-KEY SOLUTION, in which OVI is purchased with one or more optional packages is the model recommended by the manufacturing company.
- Each package consists of the hardware and software required to fully service an application. No additional programming is required, the solutions are delivered as "plug-and-play".



JUST PLUG-AND-PLAY

Ovi packages for END OF LINE



Case Erector Package

Equipped with this package the robots will know how to quickly turn an unfolded box into a folded box, sealed at the bottom and ready for packing. Boxes of different sizes can be folded without changing the tool.



The benefits of our packages, including our Case Erector are impressive and hard to match in our industry:

- ✓ Shortest set-up time
- ✓ Zero human error
- ✓ Patented calibration method
- ✓ Mobile and versatile
- ✓ No need for costly 3rd party integrator services
- ✓ No factory shut-downs
- ✓ One Robot with endless possibilities

Please note that our Case Erector Package requires an OVI BASIC in order to work.

Ovi packages for END OF LINE



Case Erector Package

Having a Case Erector package gives you the opportunity to increase efficiency and **cycle time up to 7.5 sec per box**, in just **7 easy installation steps**:

1. Bring OVI Basic into position
2. Plug in the Magic Connector
3. Calibrate the Case Erector Station
4. Mount the Case Erector tool
5. Insert box dimensions
6. Create Place Position According to the layout
7. Insert the number of boxes that you want to form

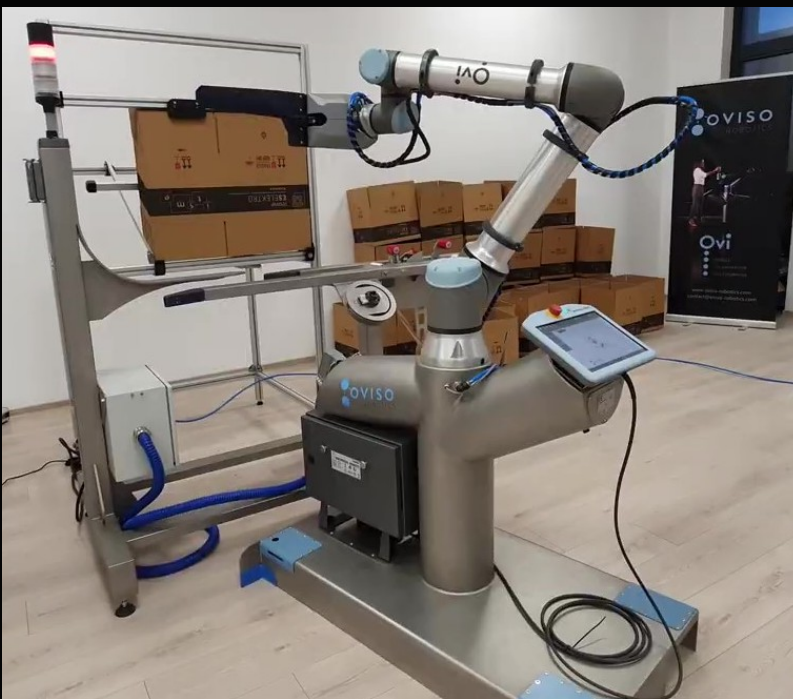
Other Benefits of the Case Erector:

- ✓ De-stacker can hold from 60 up to 110 boxes
- ✓ Can form simple or double wall corrugated boxes
- ✓ Can form boxes from 250 x 160 x150 up to 550 x 350 x 550 mm
- ✓ Cycle time up to 7.5 sec per box
- ✓ No need for expensive Integrator Services

Check out our Case Erector at work:
[CLICK HERE FOR VIDEO.](#)

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Ovi packages for END OF LINE



Case Erector Package

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Content:

- 1. Case Erector Frame**
 - Visual Light System
 - Power Box
 - Point Zero Station
 - Case Locker Tape Machine
 - Adjustable feet
- 2. Case Erector De-stacker**
 - Adjustable
- 3. Case Erector Tool**
- 4. OVI Case Erector URCap**
 - Wide variety of box sizes – define and save box
 - Load URP
 - Create place position
 - Tool working check – on/off
 - Info unfolded box placement on destacker
- 5. OVI Case Erector URP**
 - Same URP for different box sizes and different module configurations
 - Teachable place position
 - Auto-set destacker pick point
 - Sensor monitoring – left / right destacker placement

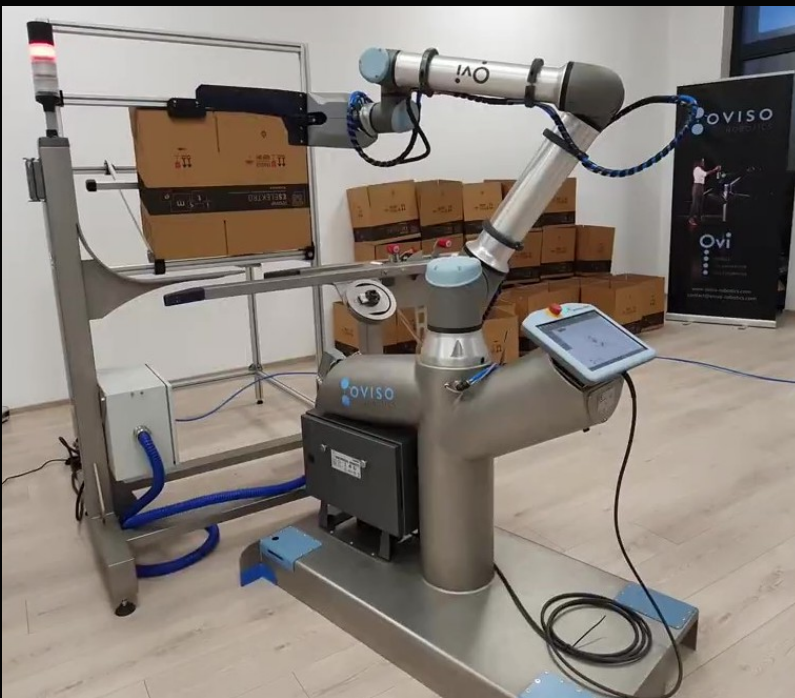
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Ovi packages for END OF LINE

Case Erector Package



TECHNICAL SPECIFICATIONS

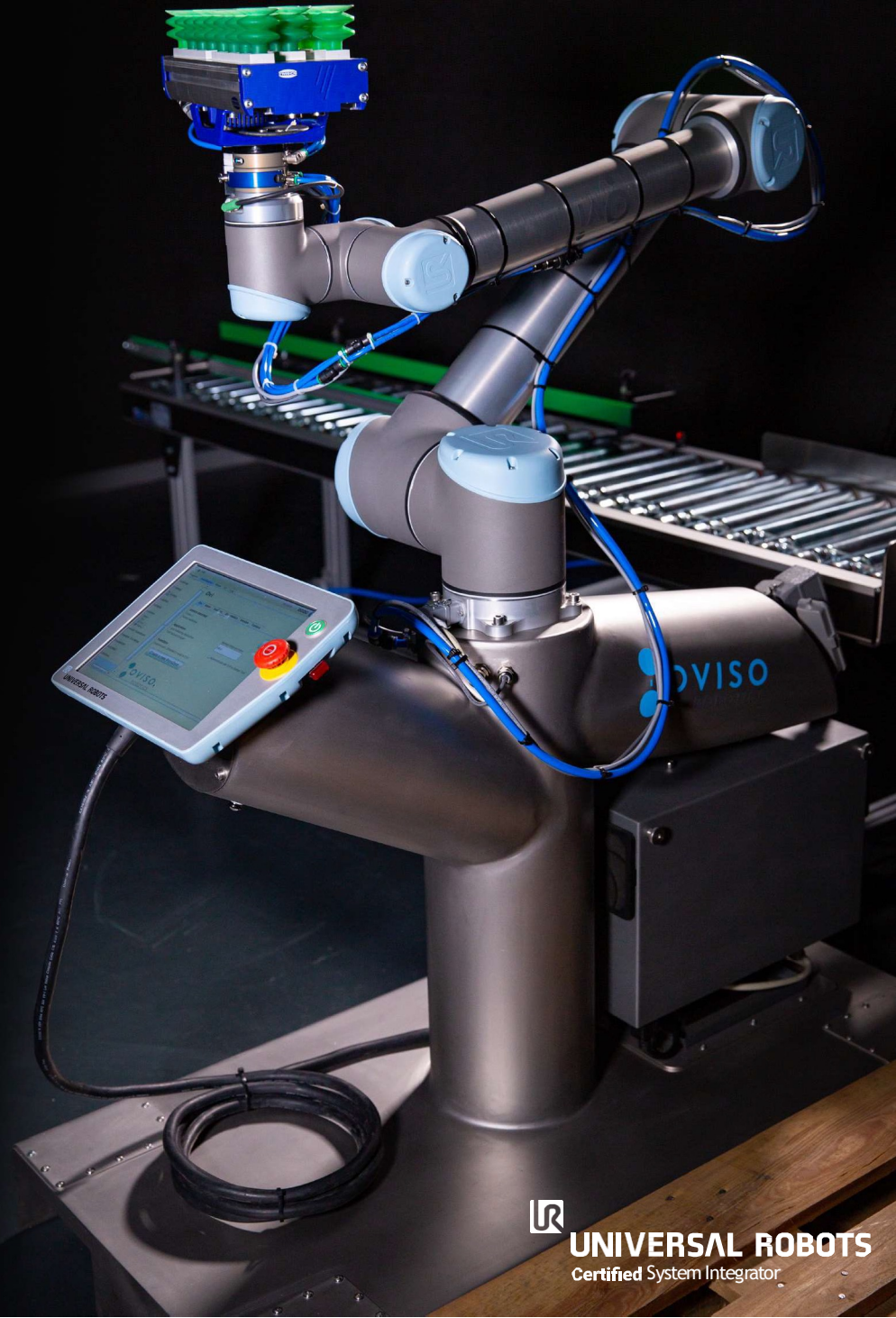


Tool data: Case Erector TOOL
Weight with tool changer: 2.5[kg]
Dimensions (L x W x H): 669 x 160 x 200 [mm]
Arrangement: 6 rows
Air consumption: 200 [l/min]
Working pressure: 6 [bar]

Station data: Case Erector Frame
Dimensions (L x W x H): 1831 x 830 x 1662 [mm]
Maximum speed and acceleration: Robot limits
Maximum payload: 7.5 [kg]
Loveshaw Pressure Sensitive Tape Cartridge: CAC60 series - 50.8 [mm] tape width
CAC61 series - 76.2 [mm] tape width

Destacker data: Case Erector Destacker
Dimensions (L x W x H): 1200x800x640 [mm]
Max unfolded box capacity: 49 pcs.

Application dependencies:
Ovi.urcap For both UR10 and UR10e
oviPalletiser.urcap For both UR10 and UR10e



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 **UNIVERSAL ROBOTS**
Certified System Integrator