



Ensuring global productivity

ROBOTIC SINGULATOR | ROSI TECHNICAL SPECIFICATIONS



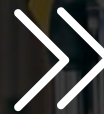
Picking from totes,
conveyors, and more



Proven solution through
experience



Singulation/placement
accuracy: 99.98%



Carefree business continuity:
<1 intervention per hour

*AWL's **robotic singulator (ROSI)** keeps your operations running smoothly. With its high-tech grippers and AI-based vision technology, ROSI can reach up to 1,700 picks per hour. Available applications include **item picking** and **sorter induction**.*



Variant 1

Footprint
LxW in mm

750x530

Weight
With pedestal
Without pedestal

110 kg
47.5 kg

Sound
dB

65-78

Performance
Up to ... picks per hour

1,700

Parcel size
LxWxH in mm

Minimum:
125x75x0.5

Maximum:
380x280x150

Parcel weight

Minimum:
20 g

Maximum:
3 kg



Variant 2

750x530

360 kg
260 kg

65-78

1,700

Minimum:
125x75x0.5

Maximum:
480x380x150

Minimum:
20 g

Maximum:
5 kg



Variant 3

1,825x1,180

1,800 kg

65-78

1,700

Minimum:
125x75x0.5

Maximum:
480x380x150

Minimum:
20 g

Maximum:
5 kg

Do you have other requirements? No problem:
We can tailor ROSI to your needs!

Grippers

Luna V1.1



Weight: 4.5 kg

Luna V3.0



Weight: 1.5 kg

Both grippers have five suction cups which can extend individually. This makes it possible to easily pick from corners without colliding with obstructions.

Both grippers hold items without the vacuum running, which saves a lot of energy.

Do you need to pick heavier packages? Then Luna V1.1 is the one for you. Do you need a lighter gripper for lighter packages? Then Luna V3.0 is more compatible.

INTERESTED IN FREE CONSULTATION?

Request now!

Performance

Up to 1,700 picks per hour.

Parcel types

Picking carton boxes, carton wraps, envelopes, polybags, jiffy mailers, carton bags, and others.

Infeed

Parcels and items can be fed in by conveyor, tote, or hopper.

Outfeed

Parcels and items are transferred by conveyor or tote.

Vision

ROSI comes with AI-based vision technology that fits the solution best.

Relevant for markets like

E-commerce, Parcel & Post distribution, Groceries, 3-party-logistics (3PL), and warehousing.

KEY FEATURES

There are multiple key features available for ROSI. These key features can be added to make the solution more viable for your operation.

So what can ROSI do for your operation?

ROSI...

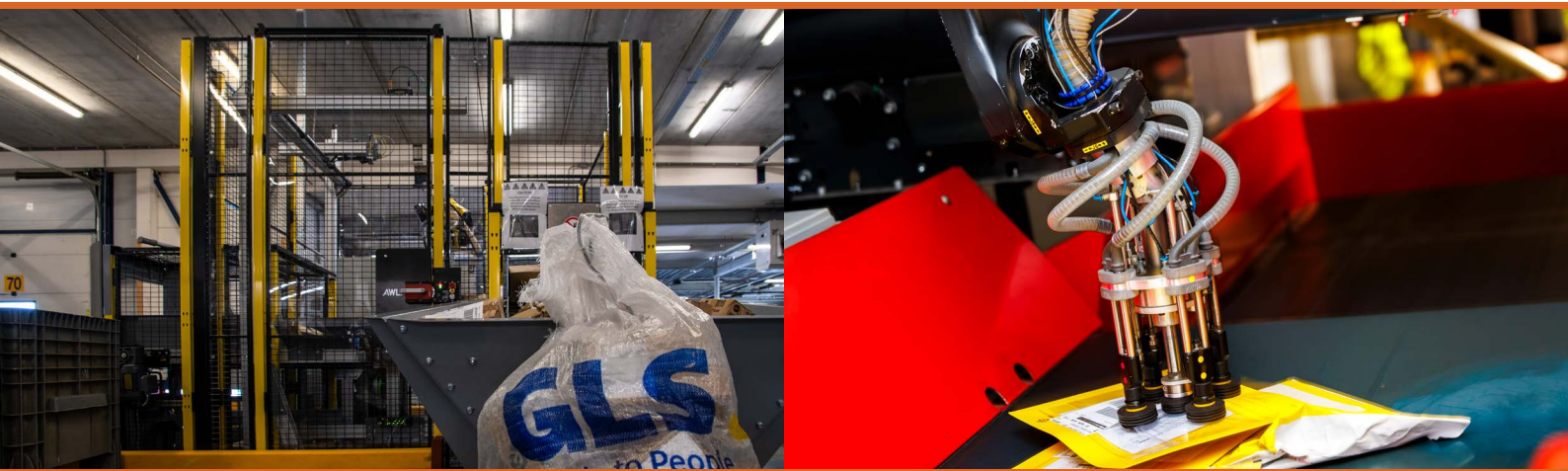
- ... **scans** labels of packages.
- ... picks with multiple zones for **dynamic control**.
- ... **sorts** packages.
- ... profiles different **packages**.
- ... rejects **non-conveyables**.
- ... is **easy to integrate** in brownfield and greenfield warehouses.
- ... has **PackML compatible** software.

ROSI is **easy to use**.



SEE ROSI IN ACTION

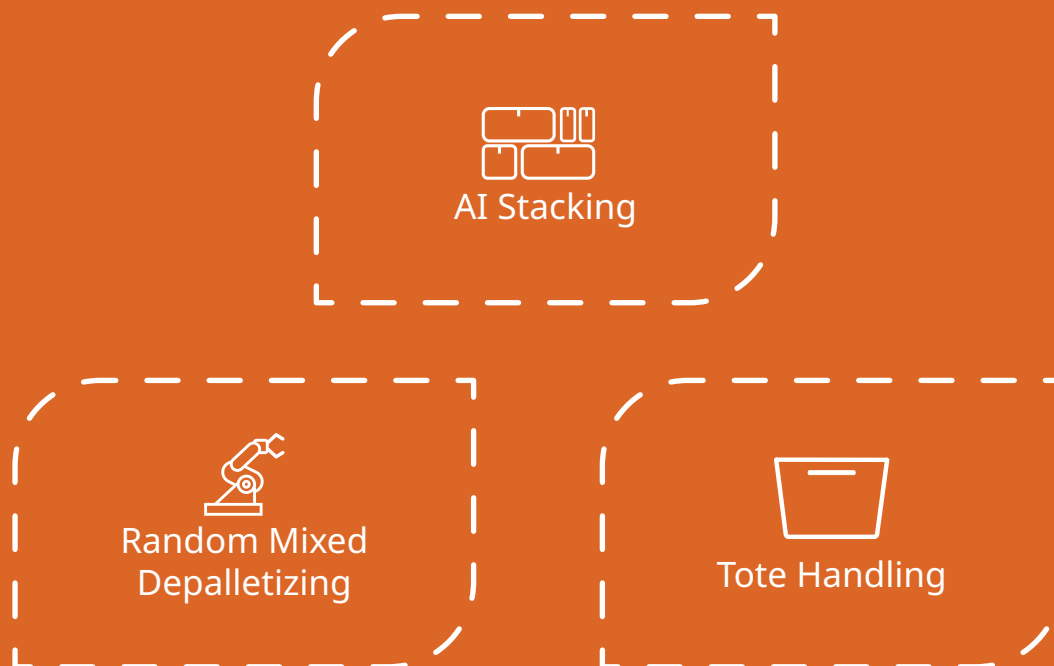
at DHL



SEE ROSI IN ACTION

at GLS

Our other robotic solutions that can help your operation.



AWL GROUP

Netherlands		AWL - Techniek B.V. (HQ) MechDes Engineering TT-Engineering
United States		AWL Automation LLC
Czech Republic		AWL-Techniek CZ s.r.o.
Mexico		AWL Automation S. de R.L. de C.V.
China		AWL Automation Welding and Cutting equipment

