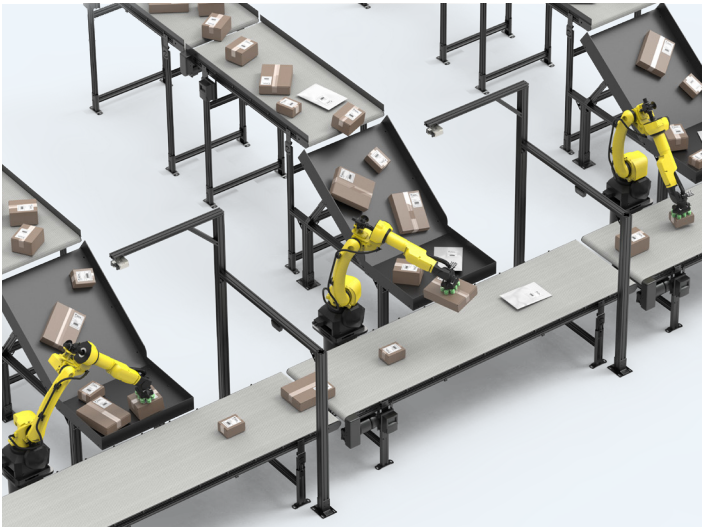




The OSARO™ Robotic Induction System



Overview




Take sorter induction automation to the next level using industrial robots powered by OSARO's sophisticated pick-and-place software.

This drop-in replacement for manual sorter induction stations can demonstrate high throughput rates in production — human-equivalent performance with less overhead, no labor shortage issues, and superior ROI.




Primary Use Case

Induction of items onto conveyors for downstream scanning and sortation.

Core Features

-  **Pick and place the majority of items without human contact**
Reliably process a vast range of item shapes, sizes, materials and packaging — e.g., shiny, reflective, deformable, illustrated.
-  **Handle items without previous registration**
Adapt to changing packaging (type, size, color, print, material) on the fly.
-  **Optimal item placement**
Maximize downstream success by placing items in a specified orientation into empty spaces on a moving conveyor that is occupied with items.

Benefits

-  **Increase production without increasing headcount**
Unlike manual labor, the system can perform 24/7, without training, breaks, overtime, or injuries.
-  **Seamless integration**
Drop-in replacement for a manual induction station. The system occupies similar floorspace, delivers equivalent throughput, costs less, and requires minimal changes in facility layout, product flow, or WMS.
-  **Completely automate the induction process**
The system picks individual items from a jumbled mix of items and rapidly places them in the desired orientation onto a moving conveyor.

The OSARO Difference



Smarter Automation



Low Risk



Hypercare

Relevant Industries

E-commerce, Parcel, 3PL, Intralogistics

Purchase Options

Up-front purchase or robot rental/RaaS (Robot-as-a-Service) options available.

Service and Support

- 24/7 Support
- Complete system support including software, controls, mechanical & electrical
- Powerful & personalized helpdesk system
- Certified technicians, project managers & field engineers
- Guaranteed performance
- Trusted partner focused on continuous learning and customer success
- Kirei – we pride ourselves on doing clean and beautiful work

Expected Performance	Throughput (includes barcode scan and bag labeling/sealing)	1,500+ picks per hour*
	Operator Interventions	Less than 1 intervention per 8-hour shift

Item Requirements	Weight	Min N/A Max 11 lb
	Dimensions	Min 0.4" x 0.4" x 0.4" Max 20" x 20" x 20"
	Barcode	Symbology Universal Product Code (UPC) Min element width 6 mil
	Product Packaging	Non-porous (air doesn't pass through it) Sealed (doesn't open when picked)
	Item Storage	Single-SKU or mixed-SKU Ordered or jumbled

Facility Requirements	Floorspace	Adjustable
	Power	480 v, 3 phase, 50 amps
	Temperature	Min 40° F Max 100° F
	Integrations	Integrates with conveyors and item detection systems (e.g., cameras, light curtains)

*Depending on cell configuration and item mix

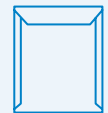
Supported Item Types



Boxes



Poly-mailers



Envelopes

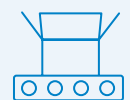


Padded Mailers

Supported Integration



AMR



Conveyor

OSARO offers a range of purchase and lease options.

Contact our Sales and Solutions team at osaro.com/contact