

ROBOTIC INDUCTION/PICKING SOLUTIONS

AI POWERED ROBOTICS



Multi-Axis Flexibility

Our robots offer multi-axis flexibility, allowing them to access and operate in tight or complex spaces with ease, enhancing their adaptability to diverse tasks.

High-Precision Arms

Equipped with high-precision robotic arms, our systems deliver accurate and delicate movements, ensuring precise handling of materials and components.

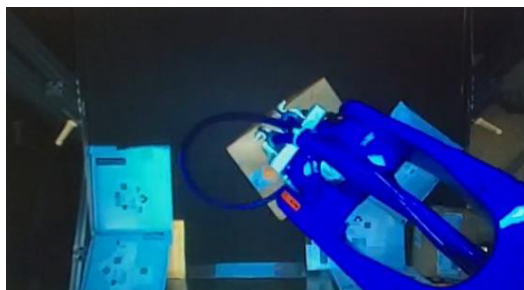
Optimised Grip

Our end-effectors are able to grip boxes and polybags of varying sizes and shapes up to 22lb (10kg).

Robust Construction

Built to withstand rigorous industrial environments, our robotic induction/picking systems boast a sturdy and durable construction, ensuring longevity and reliability.

AI DRIVEN



INTELLIGENT ERROR HANDLING



OVERVIEW



Experience the forefront of technological innovation with our robotic systems. Utilizing advanced algorithms and artificial intelligence, our robots are designed to streamline your processes and enhance efficiency like never before. Say goodbye to human error - our robotic induction/picking systems offer unparalleled precision and accuracy, ensuring consistent and reliable results in your production or assembly line.

Interfacing directly with sorters, robotic induction/picking solutions can boost your productivity and throughput by automating repetitive tasks so your team can focus on higher-value activities, leading to improved overall efficiency. Our robotic induction/picking solutions use accurate, alert robots to move items at scale – saving space, reducing time, eliminating staffing issues, and maintaining reliability.

Equipped with end effectors and vision systems, an automated solution can deliver consistency and ease the burden on human labor for any highly repetitive task.

With fast deployment and servicing, and scalable installations, talk to us about how a Robotic Induction solution can increase your automation ROI.

TECHNICAL SPECIFICATIONS

PICKING SPEED	Up to 1500 PPH
PICKING WEIGHT	22 lb 10kg <small>*Tailored to larger weights if required</small>
PICKING SIZES	Minimum: 2 in x 2 in x 3/16 in 50 mm x 50 mm x 5 mm Maximum: 24 in x 15.75 in x 15.75 in 610 mm x 400 mm x 400 mm <small>*Sizes can be evaluated outside the ranges per application requirements</small>
ROBOTIC ARM REACH	Horizontal: 56.6 in 1440 mm, Vertical: 100.4 in 2511 mm
END EFFECTORS	10-cup parcel gripper (not zoned) / 10-cup parcel gripper (zoned) / 5-cup gripper <small>*Alternative/custom EOAT may be required per application specifications</small>
POWER	380-480 VAC, 3PH, 50/60 Hz
ROBOT WEIGHT	330 lb (150kg) per application

APPLICATION

1. Pick from

- Bin
- Chute
- Container
- Dynamic Flows



2. Place in or on

- In-Motion Belt
- Container
- Sorter
- AMR's



AUTOMATION TECHNOLOGY INTEGRATION:

- Dimension, weigh, scan systems
- AMRs: unit or container level
- Automated sorters: liner, modular Bombay, cross-belt
- Conveyors: belt or motorized power roller
- Print and Apply: multi-axis, top, side, corner and front application
- Barcode Reading: 1D & 2D with multi-sided reading