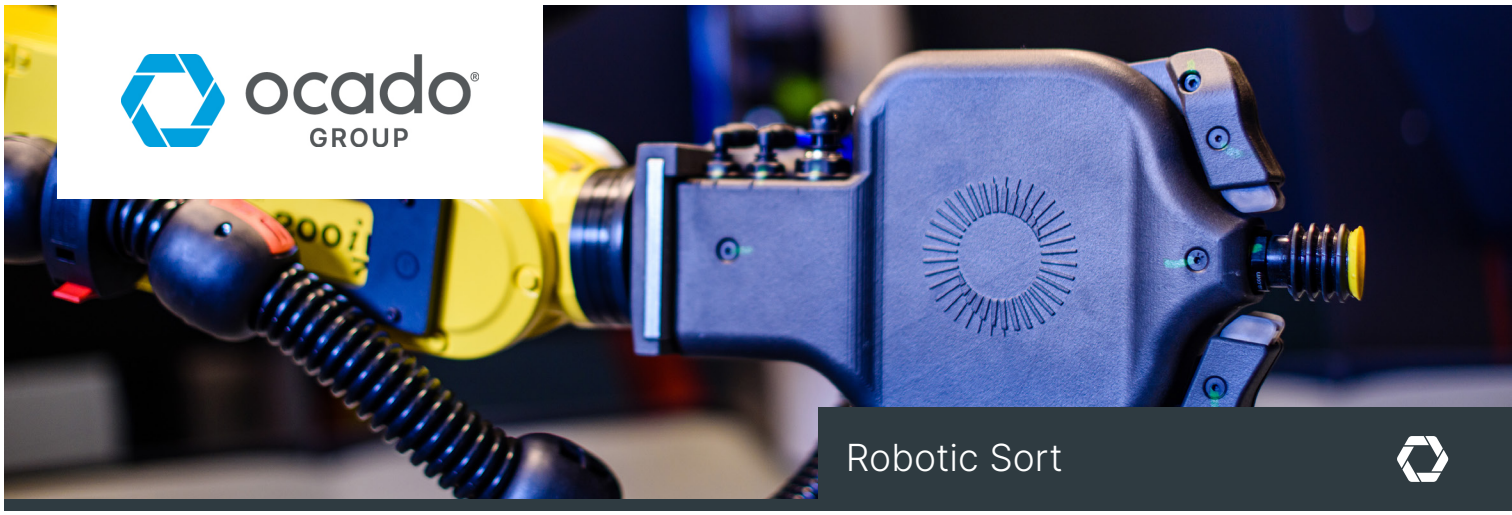


Robotic Sort

The AI-Powered Sorting Robot for Parcel, Post, and Ecommerce Fulfillment.

Human-like capabilities combine vision, grasping and manipulation. Using sophisticated artificial intelligence, Robotic Sort identifies and picks items in dynamic, unstructured environments and places them carefully into its own putwall.

Robotic Sort enhances your existing workforce. One warehouse employee can manage 3 to 4 systems, effectively tripling throughput. This reliable robotic arm mitigates workforce disruptions, labor shortages and high employee turnover.

- Robotic Sort can pick and place as many as 400 items per hour.
- The system readily integrates with continuous induction systems, such as cross-belt and Bombay sorters. It also connects with warehouse management software to create a seamless fulfillment process.
- Robotic Sort has a stellar track record, with 99.9% autonomous operation and 99.8% uptime.
- Human-in-the-loop operation supports error handling, while customer success partners work with you to analyze business metrics and plan improvements.
- Robotic Sort has a small, moveable footprint (7.5 by 11.5 feet) and weighs only 1,500 pounds.

Key Features

INTELLIGENT PIECE PICKING:
Robotic Sort robots learn from each other, improving in speed and accuracy over time. Productivity and efficiency increase as the robots adapt to your fulfillment operation.

HIGH-SPEED PRODUCTIVITY:
Increase sortation throughput up to 42% while increasing peak efficiency.

99.9% AUTONOMOUS OPERATION:
Only 1 human supervisor is required per 3-4 Robotic Sort robots. Supported by human-in-the-loop error correction and remote piloting to handle rare exceptions.

FLEXIBLE AND SCALABLE:
Add as many Robotic Sort robots as needed to suit current and future throughput needs.

MINIMAL TRAINING REQUIRED:
Working alongside Robotic Sort is highly intuitive; no formal on-boarding is required for human operators.

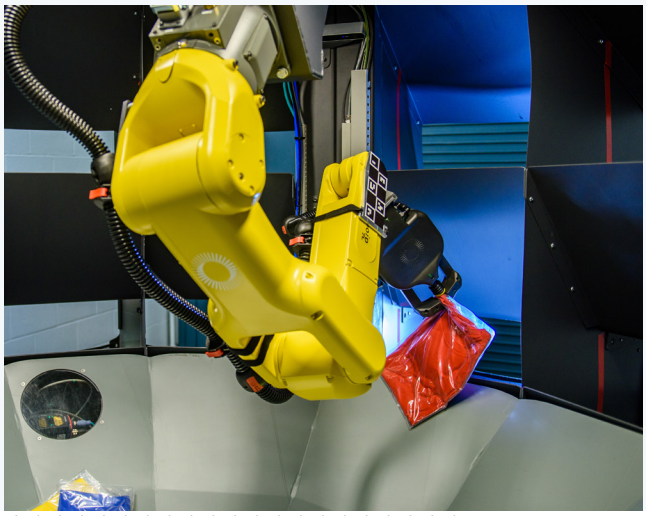
CUSTOM GRIPPING:
The standard gripper is equipped with both suction and actuating fingers and can be optimized to suit your item profiles.



Visit ocado-ia.com for additional information and to talk to an expert

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ROBOTIC SORT:

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Technical Specifications

MATERIAL & ORDER HANDLING:

Station Sort Speed: Up to 400 units per hour unmanaged
System Productivity: Up to 650 units per hour, per associate (managing 3-4 stations)
Item ID / Barcode Readers: Reads UPC labels as well as LPN, and RFID tags
Material: Polybag apparel and accessories weighing up to 5 lbs.
Order Size: 26 cubbies, volume: 2500-3000 sq. in. each

NETWORK REQUIREMENTS:

Connection: Single wired 1Gbps network drop. Cat5e or higher cable
Bandwidth: 5 Mbps up & down
Connectivity: Outbound TCP/UDP access required on specific ports

STANDARD COMPONENTS:

HMI Dashboard: Integrated display for order troubleshooting and assistance
Indicator Lights: 4 color stack lights indicate the transaction state of a given sort operation
Custom Gripper: The standard gripper is equipped with both suction and actuating fingers and is optimized for each customer's unique item profile

SIZE & INFRASTRUCTURE:

Dimensions: 7.5ft high x 11.5ft wide
Weight: Approximately 1,500 lbs
Air: Requires air with 5scfm & 100psi - 150psi
Power: 120VAC & 30Amp electrical connections

Key Statistics

99.7%
Per-Item Accuracy

400
Up to 400 Units Per Hour (UPH)

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