RIGHTHAND™ ROBOTICS

RightPick™ 4

The new RightPick™ 4 industrial piece-picking system revolutionizes the level of autonomy and reliability of robotic order fulfillment. The upgraded system can now handle items up to 25% larger and 50% heavier. We can pick items as small as a stick of lip balm and as heavy as a bottle of laundry detergent. Our solution provides customers with enhanced AI-based software algorithms, an upgraded sensor suite, and newly designed hardware that increases the eligible SKU range while significantly reducing the need for human intervention. The RightPick 4 system maximizes reliability with improved picking and grasping strategies enabling faster integration for market verticals such as general merchandise, office supplies, apparel, health and beauty, and 3PLs.

What's New

✓ **Increased product range**
Allows you to fulfill multi-line orders at a single robotic work station. Items as small as a lip balm, as large as a jug of detergent.

✓ **Increased order integrity**
Innovative multi-pick and trash detection ensures the right items make it to your customers.

✓ **Enhanced service & support**
Commitment to customer success from design to delivery, our new robust hardware delivers maximum flexibility with minimal downtime.

✓ **Advanced autonomy**
Smart exception handling tackles unexpected scenarios during the picking process to minimize human interventions.

✓ **New machine vision system**
Faster, higher-res industrial cameras enable greater range and flexibility in physical workspaces.

✓ **Optimized apparel picking**
Our systems level approach combined with the RightPick 4 solution unlocks production environment apparel picking.

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Industrial autonomous item-handling robot system

The RightPick gripper
A combination of swappable suction cups and three compliant fingers, our gripper securely transfers a wide range of products.

The RightPick vision system
Designed specifically for robotic piece-picking.

RightPick AI
AI-powered, model-free piece-picking engine for continuous improvements in range, reliability, and autonomy.

Range - Rate - Reliability

Item range
Up to 3kg
Minimum 1cm - Maximum 30cm

Rate
As fast as 3-second cycle time
Throughput is dependent on surrounding automation and processes

Reliability
Autonomous item handling for 24/7 lights-out fulfillment

Installation Requirements

Temperature
10 - 40°C / 50 - 104°F

Network
10-30 Mbps ethernet internet connection for software updates and support

Lighting
1000 - 2000 lux (nominal)
Requirements vary by installation
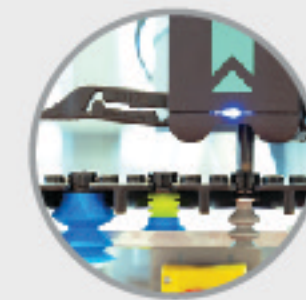
Humidity
10 - 90% RH

Power
Input 100-240 VAC, 1P, 30A max
Frequency 50-60Hz
Power 2500 W

Compressed air supply
Pressure 552 - 827 kPa (80-120 psi)
Compressed air class ISO 8573 2:4:2
Airflow 3.5 CFM max

Expanding the workflow

Suction cup swapper
Expands pickable range of a single work station, utilizing up to 10 different cups optimized to your specific inventory.

Barcode scanning
Scanning workflow enables product traceability and order validation for your quality management process.

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