

Piece Picking Solutions



High-speed, vision-AI-powered piece-picking solutions designed for 3PL providers, e-commerce fulfillment centers, and warehouse operators—boosting accuracy, reducing labor costs, and integrating seamlessly into existing systems for efficient, scalable, and space-saving operations.



Next-Level AI Vision Recognition

Effectively handles common logistics challenges, such as bundled products, bubble wrap packaging, highly transparent or reflective items, and stacked products.



Custom-Designed Adjustable Gripper

The in-house gripper enables fast, precise, damage-free handling of thousands of products.

Field Test Results

99.9
%

Picking Accuracy

650
Picks/h

Operation Speed

10M+

Items Processed

10K+

Item Types Recognized

A Perfect Solution for 24/7 Unmanned Warehouses

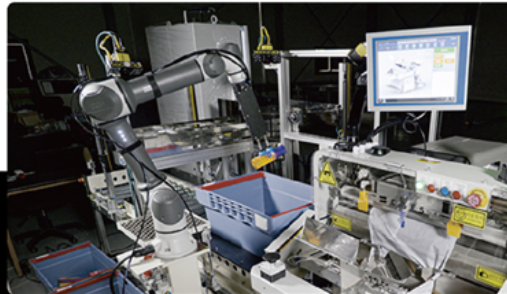
Seamless WMS integration for accurate picking and scanning
Real-time anomaly detection with auto recovery and bypass
Ongoing AI monitoring and updates through CMES AIOps

Applications

Utilize a custom adjustable gripper to quickly, safely, and accurately handle boxes, totes, and shrink-wrapped packages.



Piece Picking



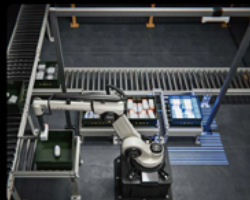
Piece Picking with Auto-bagger



Induction
(Robot Singulator)



Piece Picking for Sorter



GTP/GTR Piece Picking



DPS Piece Picking

Piece Picking Solution

Key Features

- AI for recognizing unlearned products and generating picking positions
- Automatic failure detection with a dynamic recovery plan for continuous operation
- Remote monitoring of multiple order-picking robots in real-time
- In-house error diagnosis and quick response system
- Safety verification system (ISO 10218-1 & 2 certified)
- Supports multiple robots for increased efficiency
- Includes a 1-year warranty

Standard Specification

* Units : inch, lb

| | |
|-----------------|---|
| Throughput | 1SKU : 1,000 picks per hour Mixed SKU : 600 picks per hour |
| Supported Items | Paper/Plastic boxes, Tubes, Cylinders, Vinyl package products |
| Item Size | Min. 0.8" x 0.8" (LW) Max. 12" x 12" x 12" (LWH) |
| Item Weight | Approx. 4.4lb (Customizable) |
| Gripper Type | Pneumatic(Vacuum), ATC(Optional) |
| Robot Type | Collaborative robots(UR, Doosan, Rainbow, etc.), Industrial robots(FANUC, ABB, etc.) |