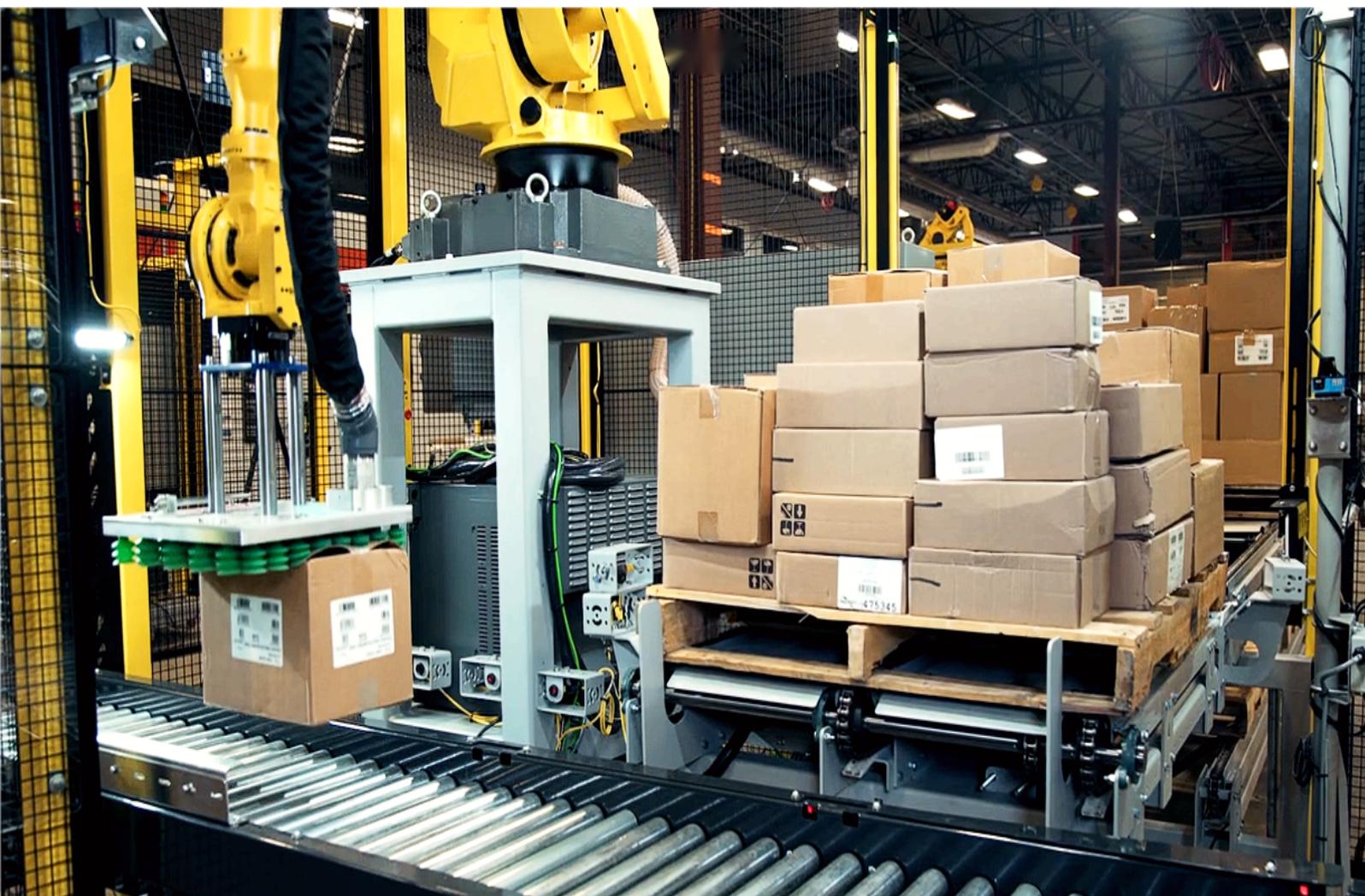
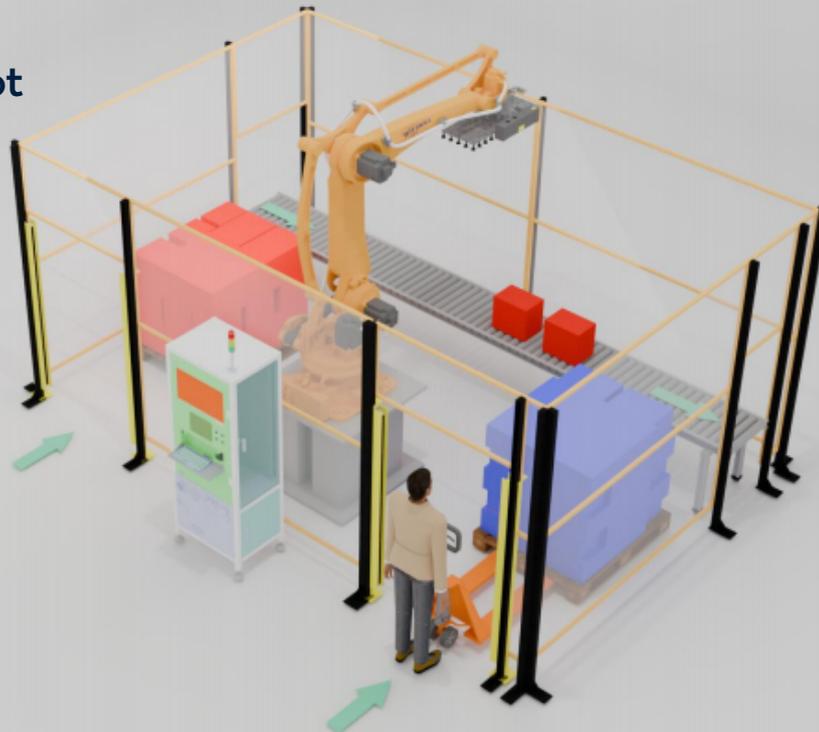




Robot Depalletizer



Fully automatic depalletizing robot



Efficient Solutions

Reliable and stable

The highly automated palletizing robot system significantly improves production efficiency, brings higher autonomy, stability and reliability to your operation process, and reduces the occurrence of work-related accidents.

Efficient layouts

Performant, versatile, and low-maintenance palletizing system with a minimized footprint. Flexible unit layout design, can easily adapt to your plant space.

Ease to use

Highly practical, enabling rapid mastery of operational skills. Equipped with an intuitive interface and a comprehensive operating system, the device integrates quickly.

*Depending on product characteristics, palletizing pattern and the equipment configuration.

Container types



Cartons



Mixed Cartons



Beverage

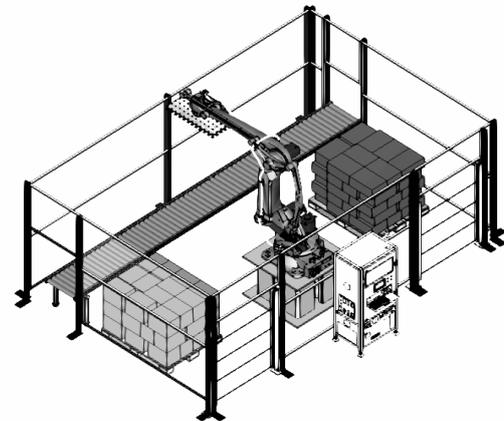
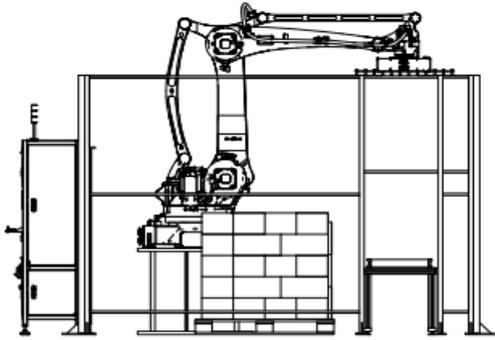


Bags



The system is the core solution of modern intelligent warehousing, which realizes efficient, accurate and intensive cargo handling through automatic handling and intelligent scheduling system.

Typical equipment layout



Core Parameters	
Station Efficiency	300 cycles/h
Occupied Area	5.5m*3.7m*3.5m
Applicable Product Range	Carton/Sack/Parts bins
Weight Range	Under 30kg
Dimension Range	200mm ≤ L < 600mm, 200mm ≤ W < 600mm, 100mm ≤ H < 500mm
Applicable Stacking Pattern Range	≤1.2m*1.2m*1.8m

Full Scenario Coverage

It can handle common materials such as cartons, jutesacks, material boxes, beverage. It covers common scenarios such as covering, arranging, and stacking, mixing and stacking, barcode facing out stacking, continuous stacking, seamless material box unpacking, and carton loading into material boxes.

Efficient Rhythm

Automatically generate the optimal trajectory in time, the beat can reach 300 cycles/hour, and the packing and unpacking can be achieved 600 boxes/hour.

Precise Recognition

Through technologies such as deep learning and system verification, massive amounts of materials are accurately identified, effectively preventing incorrect grabbing.

Core Technology

3D camera



It has a large field of vision, a large depth of field, and a high-power laser light source. It has a strong ability to resist environment allight interference and helps Altosplit the picture.

It is widely used in industrial grasping, logistics unpacking and palletizing.



Visual algorithm

● Precise identification

Can be checked with system size to achieve 99.99% recognition accuracy

● High-speed imaging

The first layer is recognized in 0.5 seconds. The system recognizes the next layer simultaneously without waiting.

● Adaptive

Through advanced algorithms like deeplearning, it accurately identifies tens of thousands of random materials, avoiding interference with contour positioning caused by blacklight arrangement, complex patterns, zip-tape, and bag deformation.



Delivery and after-sales support capability

We provide clients with end-to-end product lifecycle services spanning project planning, design, manufacturing, delivery, and after-sales support. Our R&D and Delivery Center spans 3000 square meters and has obtained ISO 9001:2015 International Quality Management System certification along with ISO14001:2015 International Environmental Management System certification. By implementing scientific management methodologies and lean production systems, we ensure reliable product delivery and service excellence.

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