

High-Storage Capacity for All Scenarios

Applications: B2B and B2C operations that demand high picking efficiency and storage capacity. System works with whole pallets, original containers, and picking of small, medium, and large items

Applicable Industries: Retail, 3PL, FMCG, Pharmaceuticals, Automotive



Founded more than 100 years ago, this customer is one of the world's largest consumer goods companies. More than 400 brands of products sold in more than 190 countries and regions around the world

- Omnichannel business operations supported
- **5 month** rapid deployment
- **200%** picking efficiency improved
- **65%** labor cost saved
- 4th phase re-purchased



This customer is a world class technology driven 3PL leader offering comprehensive Logistics and Transportation services

- Integrated scheduling for multiple robot types
- Seamless integration with smart devices
- Supports GMA pallets, no need for additional modifications



This customer is a global leader in energy technology, operating across the whole energy landscape. From conventional to renewable power, from grid technology to storage to electrifying complex industrial processes

- **30%** storage density improved
- **30%** inbound and outbound efficiency improved
- **50%** operational time shortened



Geely Holding Group was founded in 1986. In 1997, Geely entered the automotive industry and has since focused core business on developing and producing automobiles

- **8000m²** site room saved
- **60%** working efficiency improved
- **100%** FIFO execution rate

MOVING THE WORLD
INTELLIGENTLY



Geekplus **Next-Generation** SkyCube Pallet-to-Person Picking Solution

High-Density Storage

- >35% more storage density compared to traditional AS/RS
- 500%-800% higher storage capacity than ground storage

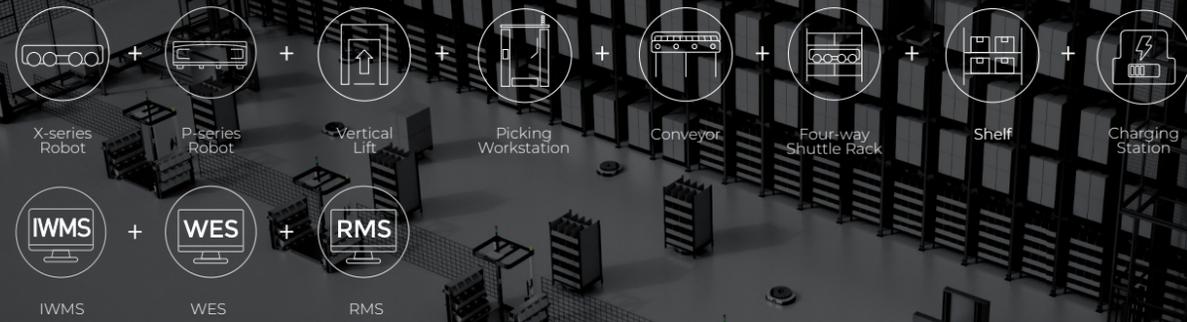
High Picking Efficiency

- 300% higher picking efficiency than manual warehouse
- Bulk reserve storage on pallets, order picking for pieces and cases
- Support automated replenishment, reverse slotting and inventory structure adjustments

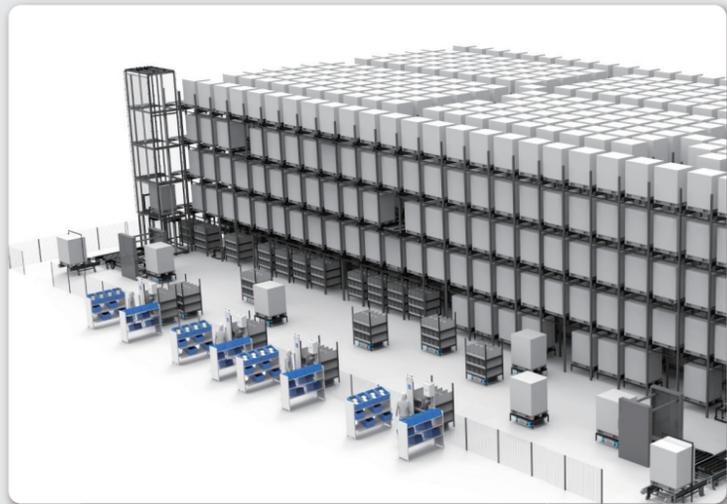
Integrated Scheduling

- Integrated Robot Management System dispatches multiple robots
- Add robots as you grow; the system can support thousands of robots concurrently

Geekplus Pallet-to-Person solution is an innovative, multilevel storage-and-retrieval system (ASRS) integrated with upper-level storage and ground-level picking technology. The solution increases warehouse throughput storage capacity, operational flexibility, and can integrate with intelligent equipment (such as an unstacking machine, automatic wrapper or packer, robotic arm) to realize an unmanned smart warehouse.

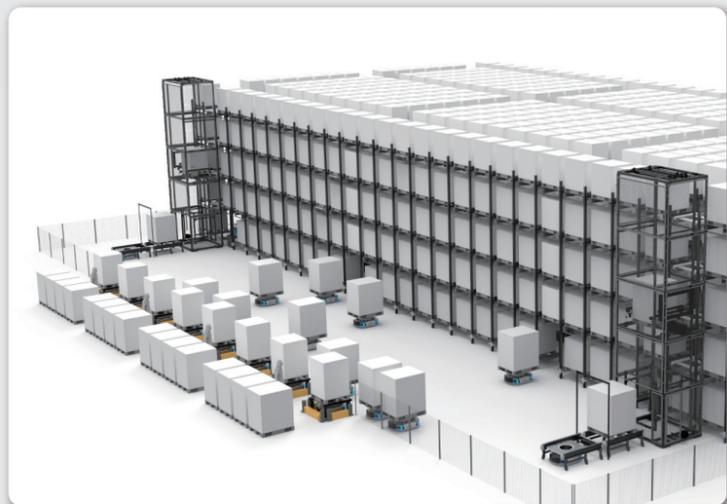


Adapt to multiple business scenarios



Mixed Picking

- Optimized for picking, supporting piece, full-case, and full-pallet picking. Suitable for small, medium, and large items
- Upper levels can have multiple depths for higher density, while the first layer uses a shallow depth for faster picking
- Supports pallets, pallet racks, goods-to-person shelves, and tooling racks, offering flexibility for different warehouse needs



High-density Storage

- Optimized for full-case and full-pallet storage and outbound processes. Ideal for medium and large items
- Both upper and first layers offer uniform high-density storage, supporting multi-deep configurations
- Supports pallets and tooling racks, catering to diverse warehouse needs

Robot

X1200Z Robots: High density storage and flexible scheduling

Ultra-thin 125mm body design, effectively reduce the track height, saving 14% rack cost

P800R Robots: Reliable, Efficient and Flexible

The most flexible Shelf-to-Person picking solution to adapt to more parts and scenarios

Model	X1200Z	P800R
Dimensions (L*W*H)	1000*972*125 mm	1095*830*195mm
Maximum Payload	1200 kg	1000kg
Payload Size (L*W*H)	1200*1000 mm	1020*1020 mm
Speed	Unload 1.6 m/s , Full-load 1.5 m/s	Unload 2.3 m/s, Full-load 2 m/s
Security	Laser obstacle detection, Goods inspection; CE PL-d System Safety	Obstacle detection
Working Temperature	14~113°F	14~113°F

System Function



Sequencing Picking

- **By Item Parameters (Retail Industry):** Sequencing goods based on size, weight, and other attributes to prevent damage and improve efficiency in handling
- **By Process Sequence (Manufacturing Industry):** Organizes items according to production steps to streamline operations, reduce downtime, and ensure a smooth workflow



Dynamic Slotting

- **Idle-Time Slotting:** X1200 robots rearrange items based on popularity. Frequently picked items are moved closer to the picking area to reduce travel distance and boost efficiency
- **Reverse Slotting:** P800 robots automatically move materials to storage when triggered, freeing up space for high-demand items and improving outbound efficiency



Integrated Scheduling

- **Large-Scale Scheduling:** Capable of managing thousands of robots concurrently. Ensures balanced robot workload and efficient, accurate task execution
- **Hybrid Scheduling:** Supports multiple navigation types (e.g., SLAM and QR code navigation) within the same map. Enables seamless coordination between different robot models
- **Intelligent Warehouse Zone Management:** Offers flexible configuration options for managing multiple dimensions, including zones, floors, and multiple warehouses