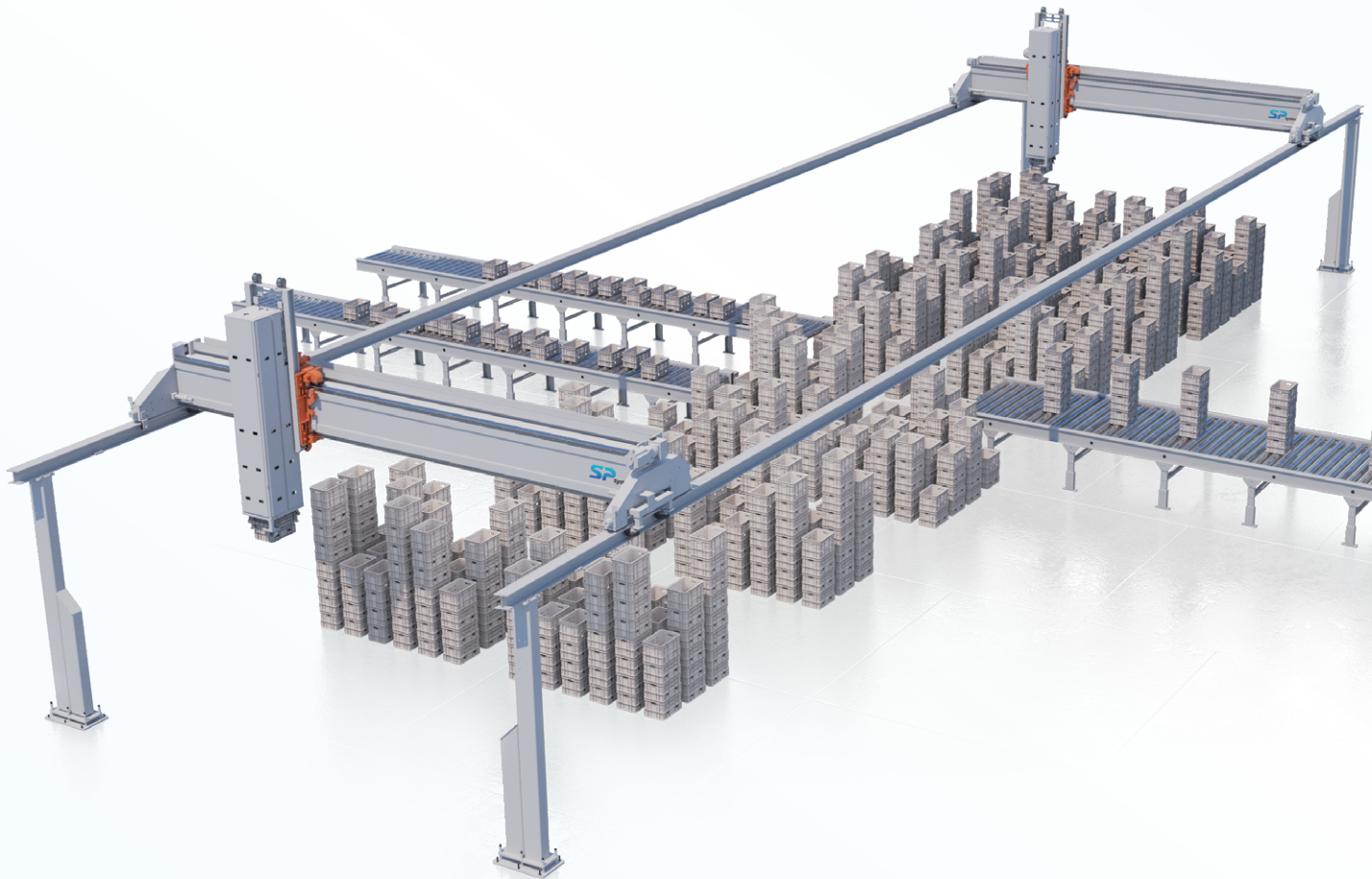


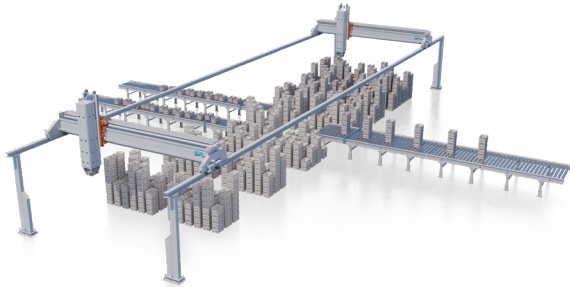
GANTRY ROBOT AUTOMATION SOLUTION

# P-BOX AUTOMATED WAREHOUSE SYSTEM

SMART PROGRESSION · SMART PERFORMANCE · SMART PROFESSION



## P-BOX Automated Warehouse Solution



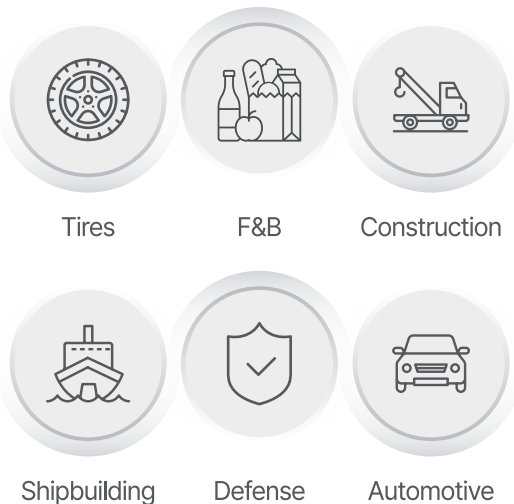
### Gantry Robot

A robot system that enables high-speed and high-precision linear transport by utilizing a high precision linear guide system.

### P-BOX Automated Warehouse Solution

A solution that can pick, store, and classify workpiece in tote box units using floor space, applicable to all types of materials that can be loaded in multiple stages.

## Main Applicable Industries



## Advantages of the Automated Warehouse Solution

### ✓ Maximum Space Efficiency

- Saves space and enhances usability by directly stacking items on the factory floor without the need for separate storage racks.

### ✓ Optimized Logistics Management

- Through the WMS (Warehouse Management System), the inventory is managed efficiently, and it is easy to form an unmanned automation of the factory logistics system by linking with logistics robots and automation equipment.

### ✓ Operational Flexibility

- Enables storage and preservation of various bulk materials, ultra-heavy and large products.
- Enables form the warehouse layout according to the shape of the workpiece.

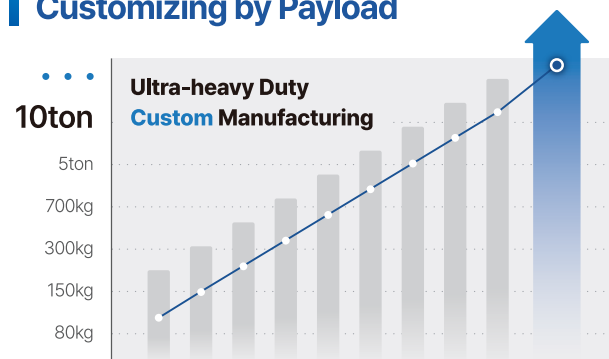
### ✓ Cost Reduction

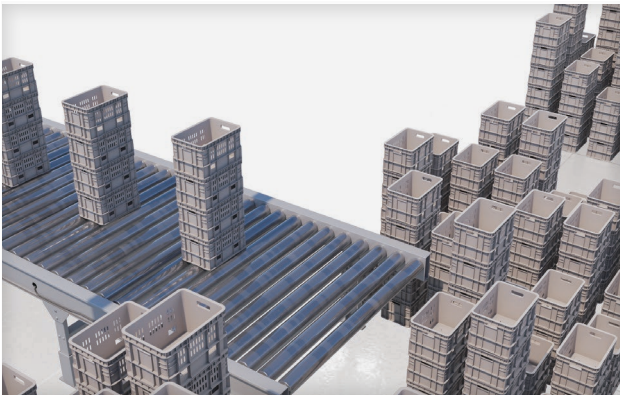
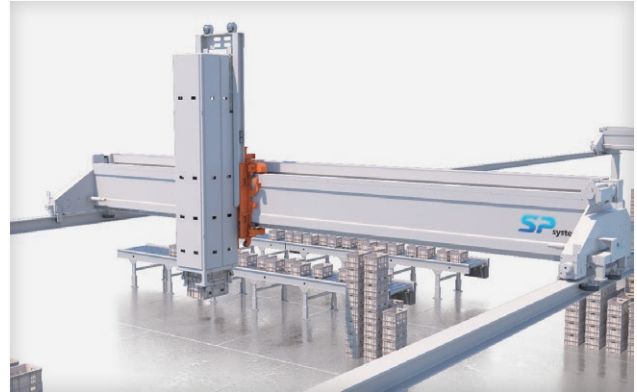
- Through WMS enables 24/7 unmanned operation, Reducing labor costs and optimizing operational efficiency.

## Rack-Type vs. Gantry Robot Automated Warehouse

Category	Rack-Type	Gantry Robot
Equipment Cost	High (equipment + storage racks)	Low (No storage racks)
Equipment Cost	Limited (affected by rack space)	Flexible stacking space configuration
Maintenance Cost	High (equipment + storage racks)	Low (Only for Gantry Robot)
Storable Items	Pallet, Box based type	Bulk, Large and Ultra heavy Etc.
Operational Flexibility	Difficult to modify rack structure	Flexible configuration of storage positions

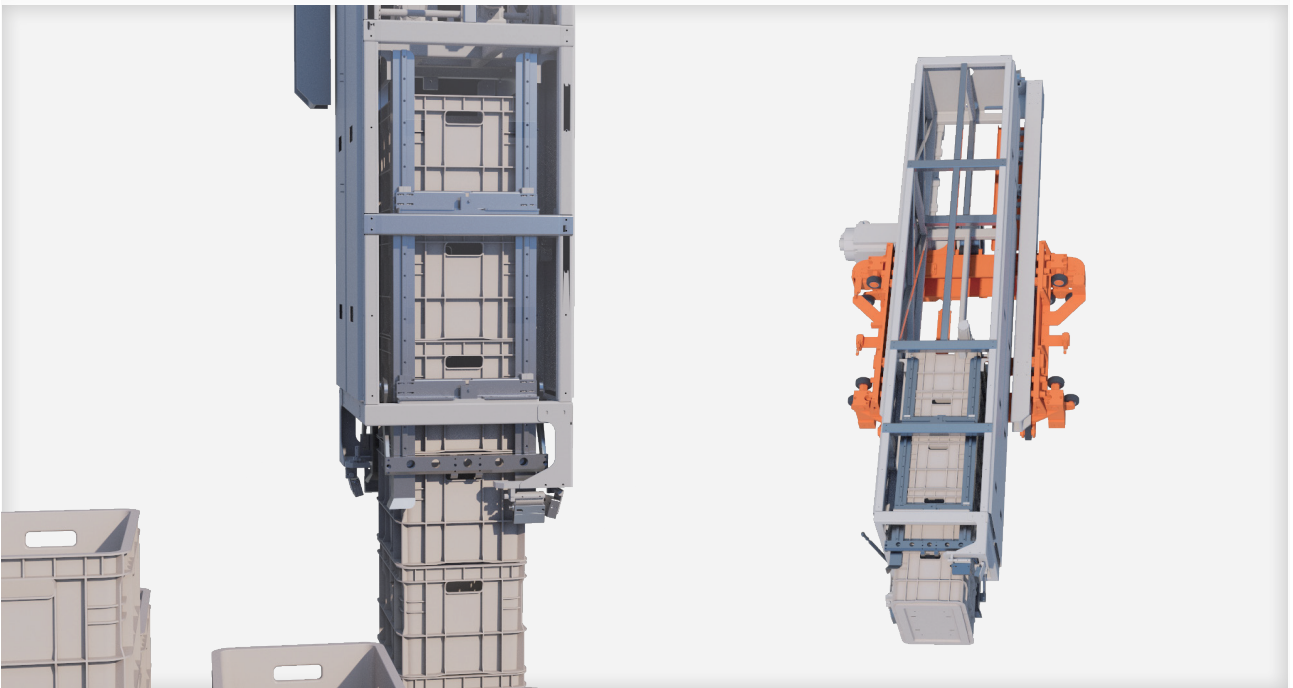
## Customizing by Payload





## Customized Gripper Based on Box Shape

Fast and precise material flow processing by utilizing a Multi Picker that can handle stacked boxes individually or multiple boxes simultaneously.





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