



HUAYIDE INTELLIGENT
STORAGE RACK PRODUCTION BASE IN CHINA

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VERTICAL LIFT STORAGE

Limited Space ———

Unlimited Possibilities

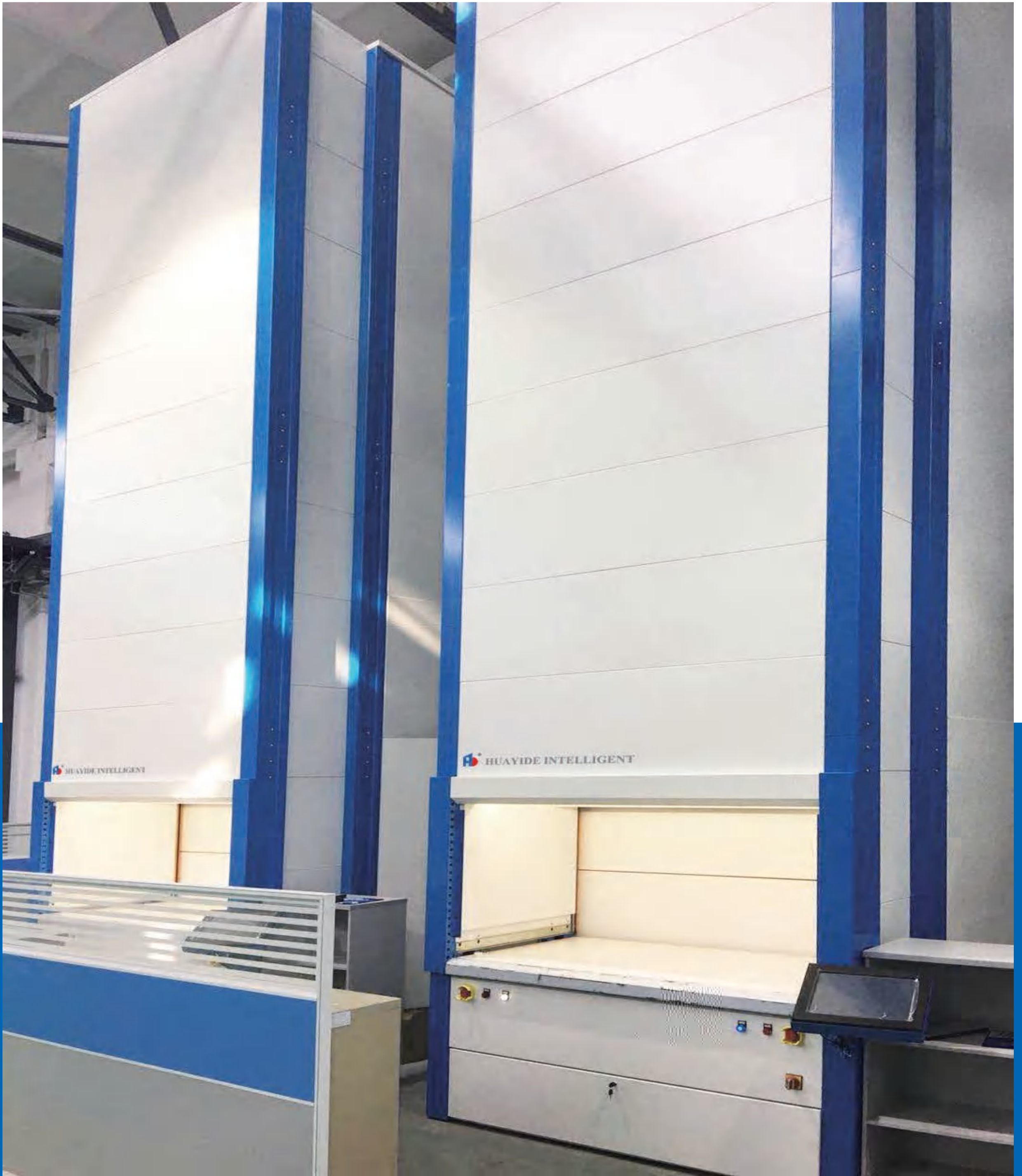
Tradelink International Shop
www.heavyracking.com

Company official website
www.huayiderack.com



Anhui Huayide Intelligent Equipment Co.,Ltd

Warehousing Efficient Sorting Precisely



With Pallet As Unit For Material Management

With pallet as storage unit, through the lifting movement of the extractor, take the pallet for storing the goods to the operator or to the appropriate position in the lifting cabinet.

Product Advantages

○ Efficient storage

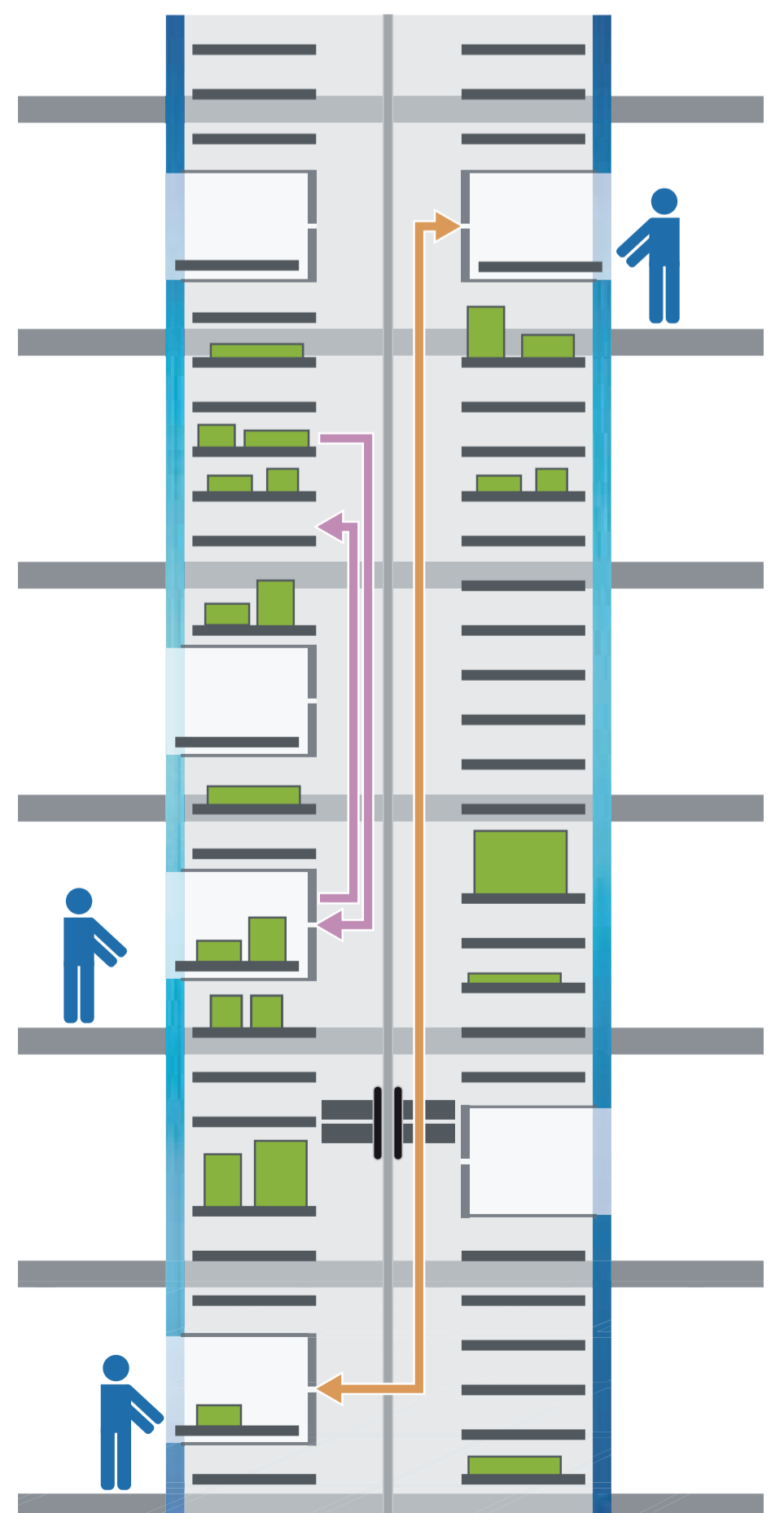
Save **60% ~ 85%** required ground space

Efficiency increased to **100% ~ 200%**



○ Across The Floor

Picking ports can be set up in various places as needed, Make access easy and fast. Working at the same time available on the middle floor . Cargo carry in on one side, on the other side cargo carry out.





Product Advantages

- High level intelligent storage



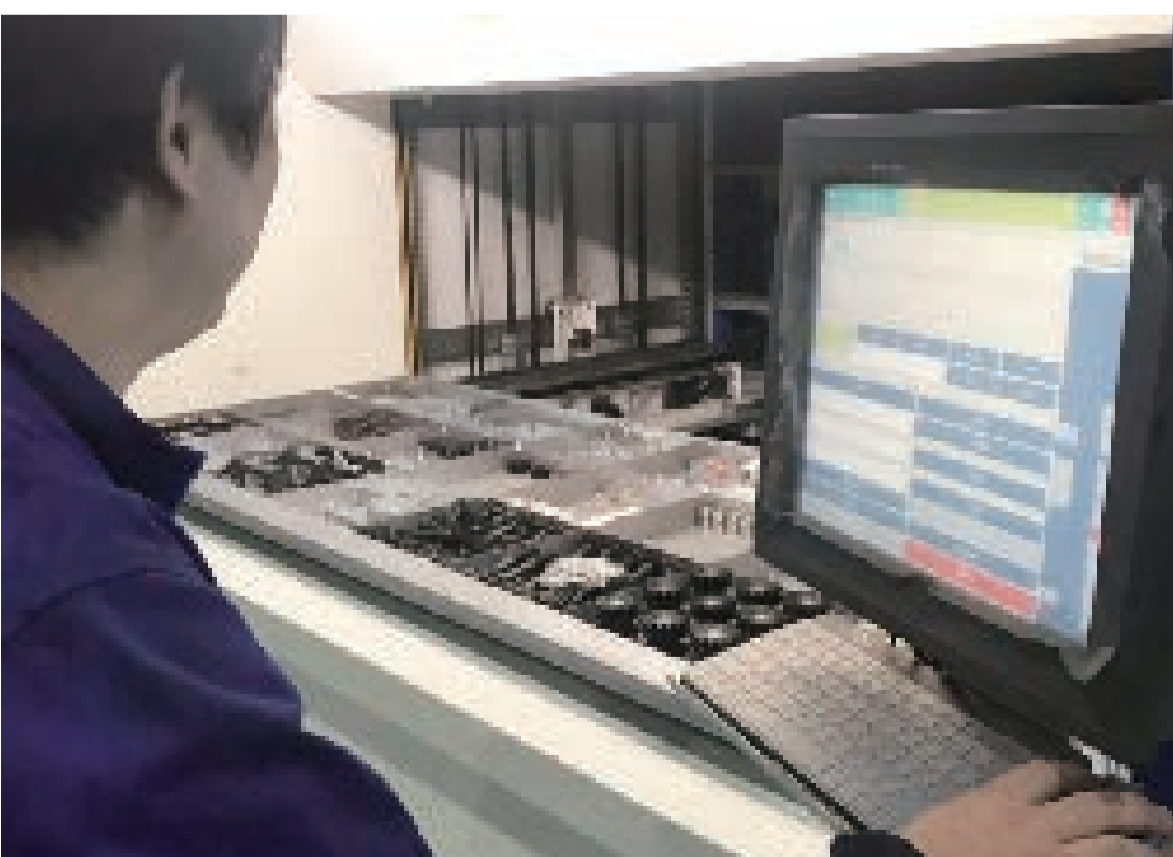
Full Automation Operation

Full automatic operation, implemented the logistic storage mode which "from goods to people", store goods fastly and conveniently.



Multiple Operating Modes

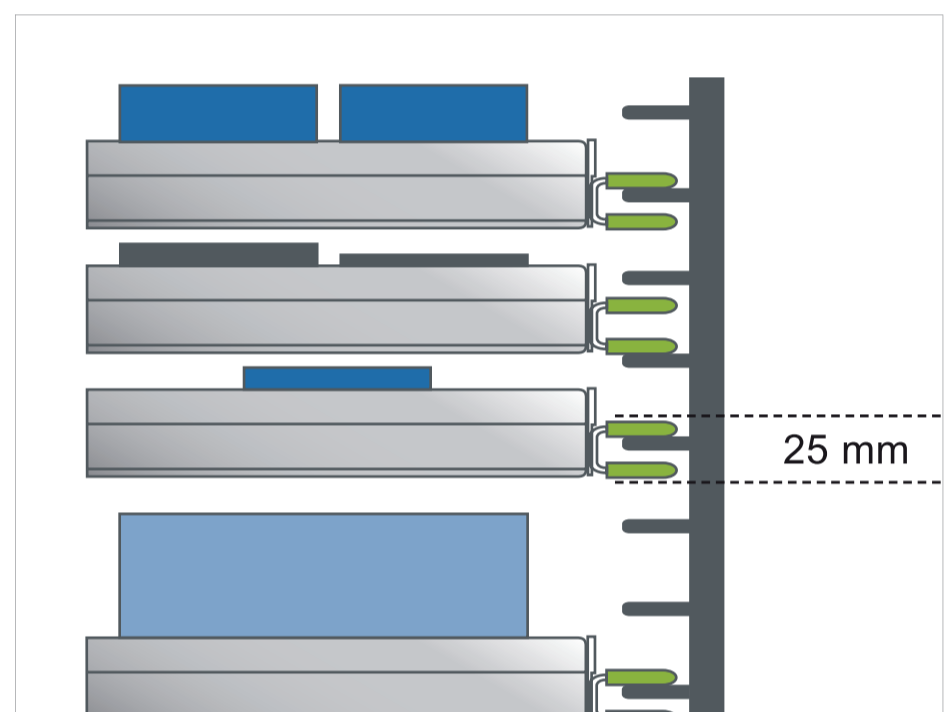
single machine manual, automatic, online automatic and other operating modes.



Network management

Implement network management and improve management efficiency.

Product Advantages



○ High-Density Storage

For storage density, the height between each vertical warehouse is only 25mm, uses the minimum space to maximize the storage density of the whole set equipment.

○ Precise warehousing

The height detector automatically measures the height of the cargo, and the unit accuracy of the cargo height is 25mm. When the height of the goods is changed, the CPU will let the extractor put the goods in the most suitable position. High adaptability and flexibility ensure high-density storage. Equipment can flexibly respond to changes in goods without changing hardware, thereby reducing costs.

○ Convenient storage

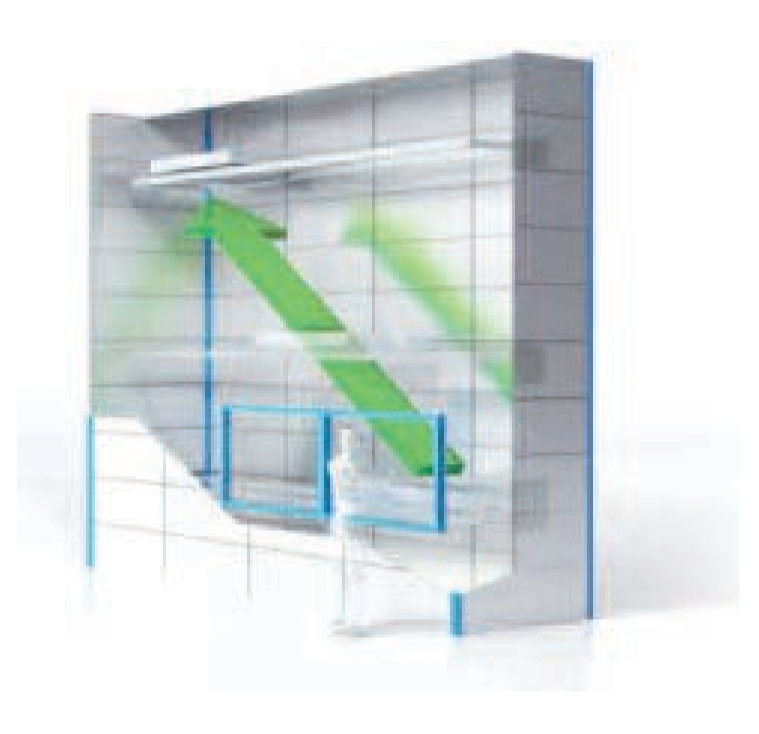
In terms of convenience, the intelligent positioning and vertical scanning system will scan the height of the goods in the storage process, find the most ideal storage position in the equipment, automatic storage of goods, make full use of space.

Product Advantages

○ Personalized Warehousing

- Modules can be combined

The lifting arm connects multiple lifting modules to bring the required pallets of warehouse goods directly to the accessed ports or free storage locations within interconnected modules. The extractor runs diagonally across the drop the module and reach the minimum runtime.



- Customize

Serialized and modular design to meet customer's customized needs. Each fixed unit height is 100mm, and the equipment can be flexibly selected to adapt to the height of various workshops and warehouses according to the needs. If the warehouse or workshop needs to be replaced, the equipment can be relocated to the new one along with other equipment. It is very convenient to adjust the optimum height by adding or subtracting modular units.





Product Advantages

○ Compatible

Compact structure and precise control, suitable for storing large differences in size specifications and irregular shapes items with less power consumption. Modular designed vertical lift system with almost perfect air room flexibility and maximum usage height up to the top of the house.



Product Advantages

○ Safe Storage

- Access Port Raster

The safety grating of the access port is working when the equipment is working and the safety door is open. At this time, if any object blocks the grating, the equipment will stop moving immediately to protect personnel and equipment to be safe.



- Automatic Safety Door

The automatic safety door only opens at the moment when the pallet enters and exits, which can ensure that the operator and security of the internal storage unit, it can also reduce noise and high-speed air convection, and help to achieve constant temperature and humidity in the container.





Product Advantages

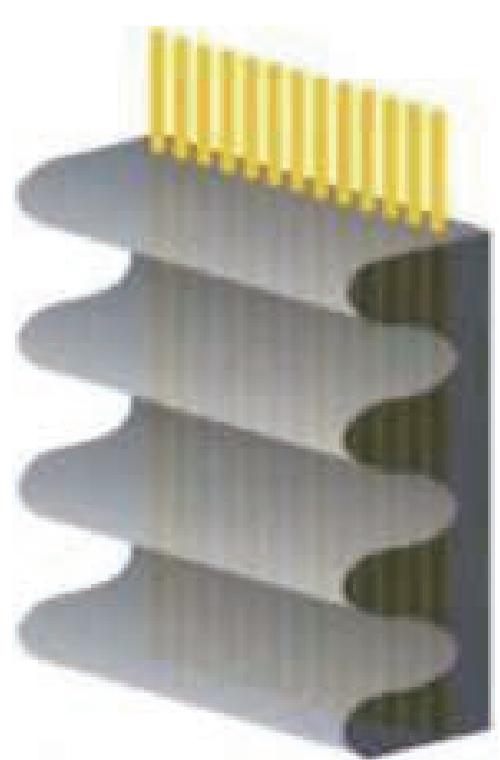
○ Safe Storage

- Ergonomic Design

Operators do not have to climb, bend, and stretch when accessing cargo since according the working principle “goods-to-person”The required parts are automatically delivered to the ergonomically designed access port, and the pallet can be adjusted to various heights of the workbench.



- Investment Security



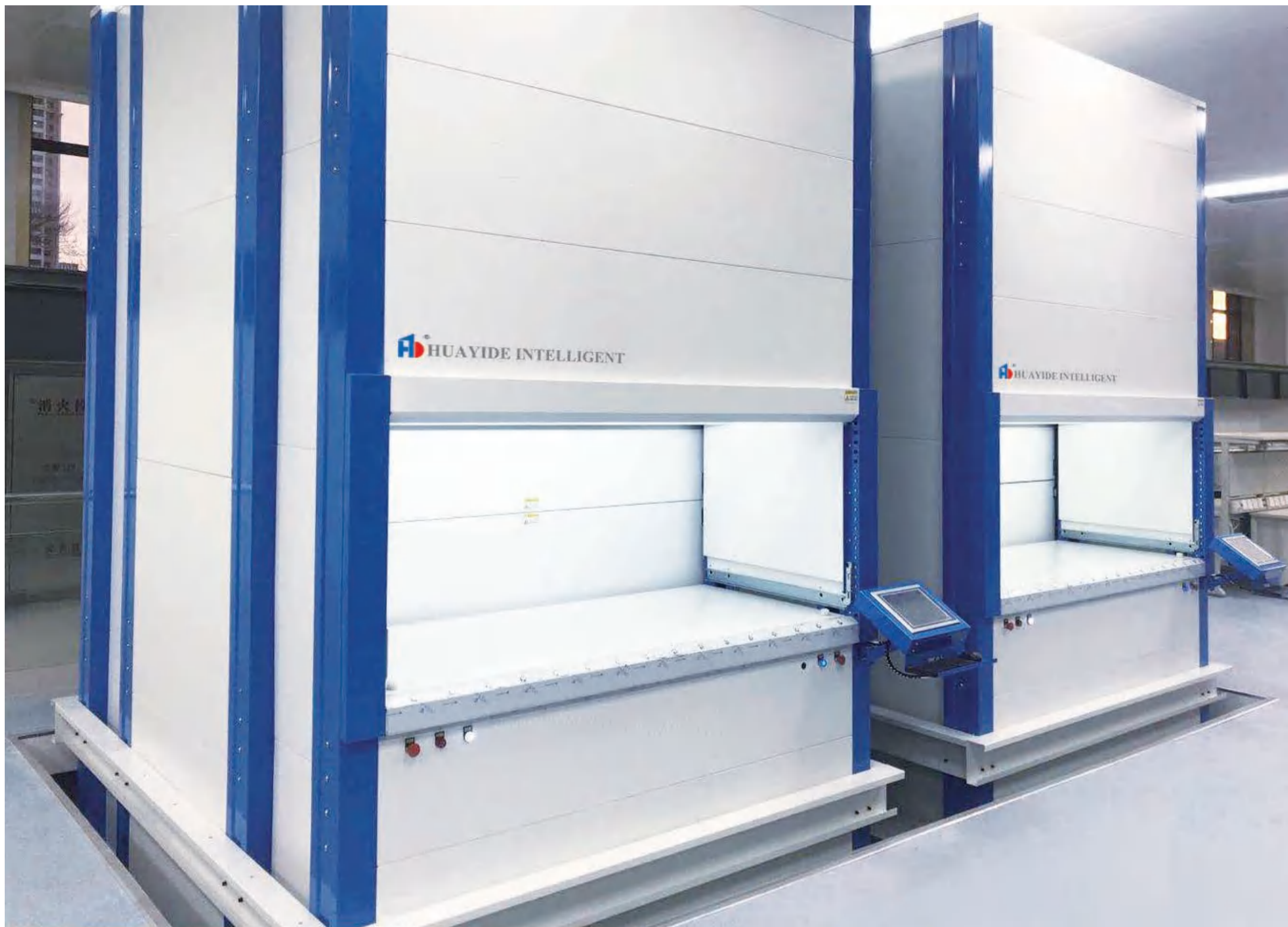
Steel belt drive technology

Strong load-bearing capacity, can realize high-speed, full-speed operation; low vibration, Low noise; soft and reliable, no need to add lubricant to clean; no oil stains, reduce equipment weight and low maintenance cost; long service life, can be expanded and modified according to needs.

Project Real Shot Display



Project Real Shot Display



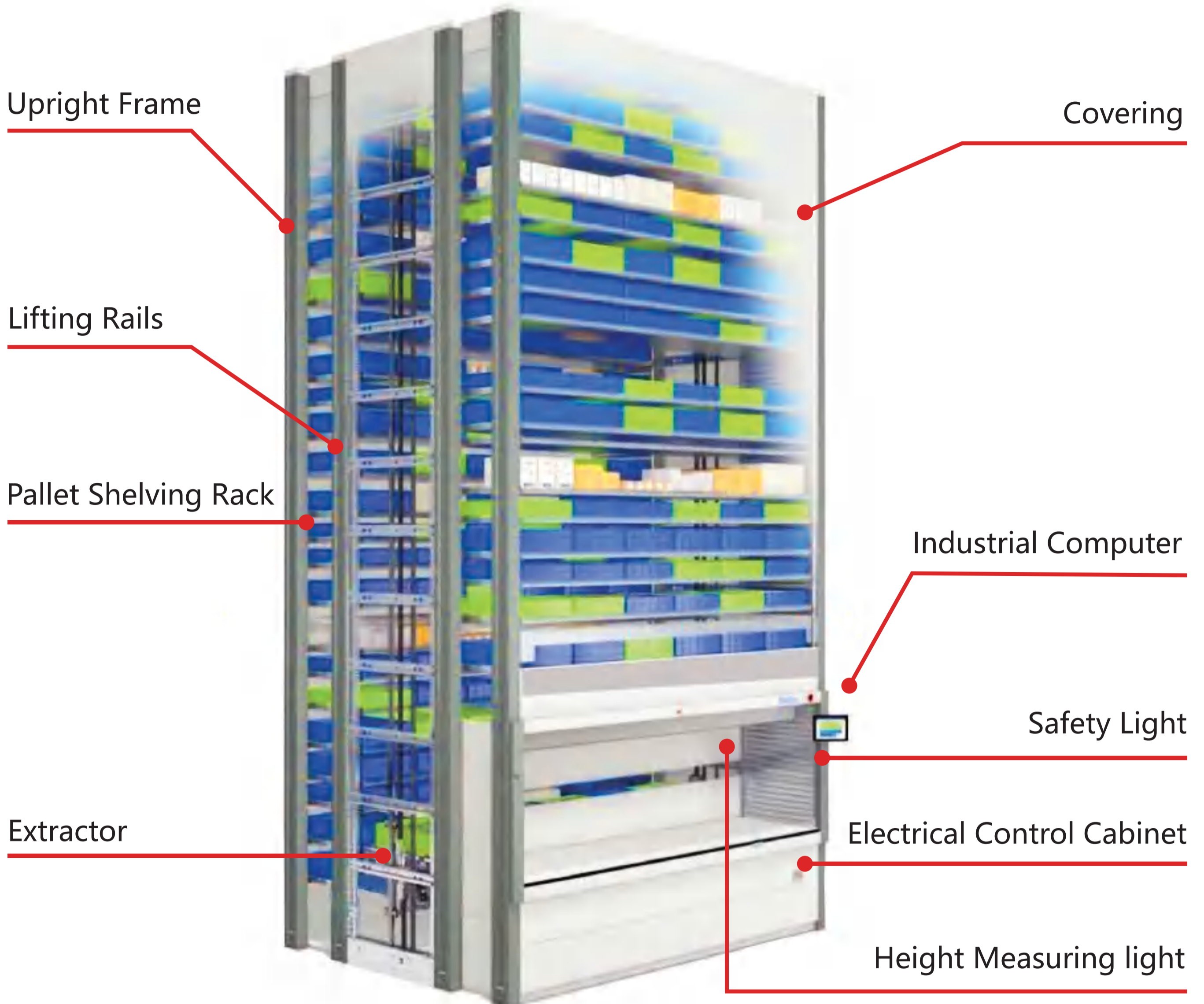
Project Real Shot Display



Project Real Shot Display



Structure Principle



○ Working Principle

The vertical lift cabinet system is a closed system in which pallets are loaded vertically on both sides of the equipment. There is an extractor in the middle. Transport the pallet of storage goods to the picking port automatically by press button or read bar code. Vertical lift cabinets to be adapted to different height requirements through modular design.

Structure Principle



○ Operation Panel

The operating panel is a compact industrial computer which mounted on the side of the operating port with a 12-inch colored touch screen, resolution is 1024x768, with simplified Chinese version. The operating panel is equipped with Microsoft 10 system and has a graphical output man-machine interface.

Structure Principle



○ Modular Design

The vertical lift cabinet has a modular design with a self-supporting internal structure that don't need to rely on external panels to increase the strength of the equipment. The height of the equipment can be increased or decreased according to the actual situation in the future.

Software system

○ Vertical lift cabinet software system

The self-developed iWMS material intelligent management system for vertical carousel cabinets is easy to operate, working stable and reliable operation, etc., it can realize the automation, digitization and intelligence of material management. Through integration with MES, ERP, WMS, and according to work order instructions, it can realize the management of the whole life cycle of material storage, picking, distribution, core, and dispatch.

Precisely

Through barcodes, handheld scanners, weight control technology, light picking, light storage, laser/LED indicators, provide assistance to operators and improve accuracy.

Efficient

Integrated PTL system for optimized batch ordering single and multiple order picking, shipping time systems that minimize round trip times and increase throughput. Help you reduce processing time.

Many Software Interfaces

Many software interfaces all software solutions are based on the latest Windows® technology and interface with most tier 1 and tier 2 WMS and ERP software vendors.

Modular

From the smallest warehouse to complex distribution heart, it can be designed to your needs. Future security is provided in the package. We will continue to develop and expand the software system.

Safety

Users and groups can be controlled and managed credit software integration.

Industry Stories



Industry Stories



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Industry Stories





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Anhui Huayide Intelligent Equipment Co.,Ltd

Tel: +86-0551-63674818

Fax: +86-0551-63847858

Mobile: +86-15255128828

QQ: 404977441

WeChat public account :15255128828

E-mail: David@ahhuayide.com

Sales Address:

Room 2703, Building A, Linbingyuan,
Huizhou Avenue No. 5116,
Hefei City, China.

Scan to enter
the company's
official website

