FOCUSED DEDICATED PROFESSIONAL

PT TECNO LOGAM NUSANTARA
DL RACKING | WAREHOUSE RACKING & STORAGE SOLUTIONS

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Manufacturing Base:
Tianjin DL Racking Manufacturing Co., Ltd.
Tianjin, China

SMART RACKING. STRONGER WAREHOUSING.

Complete Warehouse Solutions for Better
Space& Efficiency



PT TECNO LOGAM NUSANTARA

Over 20 Years of Dedication, Staying True to Our Original Aspiration and Moving Forward with Determination

Corporate Philosophy: Pursue excellence and keep evolving.
Corporate Culture: Unity, pragmatism and efficiency.
Safety Philosophy: Safety in production is of paramount importance.
Protect yourself and protect others.



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COMPANY PROFILES

PT Tecno Logam Nusantara (TLN) is an Indonesia-based company specializing in warehouse racking systems, intelligent storage solutions, logistics equipment and related industrial supporting products. Serving the Indonesian market, TLN provides project consultation, site surveys, warehouse planning, technical solution design, product supply, installation coordination and after-sales service. We are committed to helping customers build safe, efficient, practical and cost-effective warehouse storage systems.

TLN provides warehouse racking and storage system solutions under the DL Racking brand, including selective pallet racking, double deep racking, very narrow aisle racking, drive-in racking, shuttle racking, mezzanine racking, steel platforms, cantilever racking, carton flow racking, pallet flow racking, mobile racking and intelligent storage systems. Based on each customer's warehouse conditions, cargo types, pallet specifications, operation methods and budget requirements, we provide practical design solutions that help improve warehouse space utilization, operational efficiency and storage safety.

Our manufacturing base, Tianjin DL Racking Manufacturing Co., Ltd., was established in 2005 and has long been committed to the modernization of intelligent warehousing and logistics, as well as the research and development of related supporting products. It is a production-oriented enterprise specializing in the design, manufacturing and installation support of automated storage and retrieval systems, warehouse racking systems and logistics equipment.

The manufacturing base is located in Tianjin, China, covering an area of approximately 40,000 square meters. It also maintains service and business networks in Beijing, Dalian, Harbin, Shenyang, Qinhuangdao, Zhengzhou, Jinan, Xi'an, Urumqi and other cities. The factory is equipped with multiple advanced automated production lines, including fixed cold roll forming lines, automatic continuous steel strip punching lines, automatic welding lines and automated powder coating lines, providing stable and efficient production support for various warehouse storage projects.

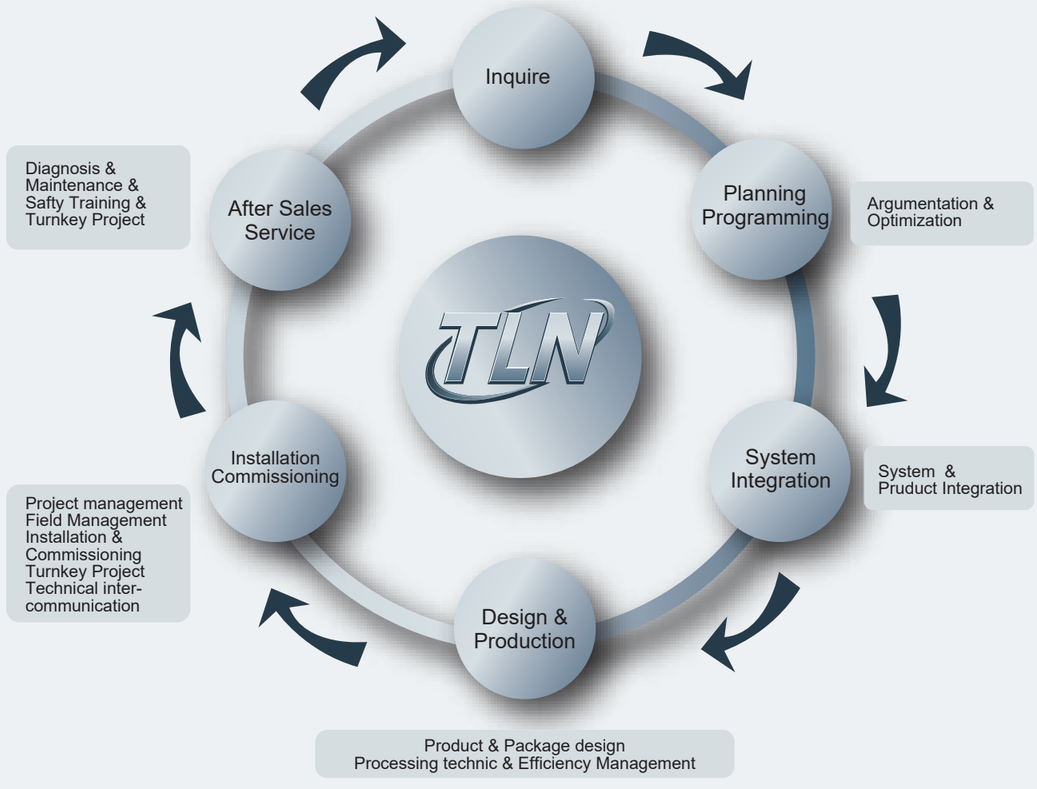
Advanced equipment is the foundation of product quality, while stable and reliable quality control is the key to long-term development. The manufacturing base obtained ISO9001:2000 international quality management system certification from SGS Switzerland in its early stage of establishment and has continued to ensure product performance through strict production management and quality standards. With mature production processes, structural design capability and engineering experience, DL Racking is able to provide customers with safe, stable and durable warehouse racking and intelligent storage systems.

Today, DL Racking products and project experience have served customers in multiple countries and regions, and have been widely applied in many industries, including military industry, electronics, machinery manufacturing, aerospace, pharmaceuticals and healthcare, logistics distribution, warehouse supermarkets, railways, food, petroleum and petrochemical, automotive and textile industries. The products and solutions have received broad recognition from customers.

The manufacturing base has professional technical, production, marketing and management teams, and always adheres to professional responsibility, innovation-driven development and customer satisfaction as its working principle. The company continues to attract and cultivate outstanding talent, constantly improving its technical strength, production capacity and project service capability, so as to provide customers with more comprehensive, high-quality and reliable warehouse storage solutions.

With long-term vision and continuous improvement, TLN combines local service capability in Indonesia with DL Racking's manufacturing strength and engineering experience. Guided by the principles of persistence, integrity, pragmatism and innovation, we are committed to providing Indonesian customers with more professional, efficient and reliable warehouse storage system services.

We provide you with the best logistics solutions.

















Finite element analysis

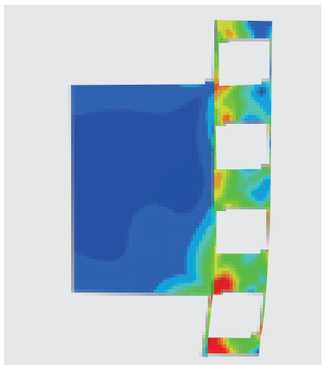
Racking systems are mainly composed of cold-formed thin-walled components with relatively complex geometries. Traditional analytical methods of material mechanics cannot produce accurate results, and in some cases cannot provide results at all. To obtain accurate mechanical information under complex external forces, including displacement, stress and strain of racking components, we conduct detailed finite element analysis on the racking system.

In order to better determine the structural performance of the racking system and accurately conduct finite element analysis of the overall structure, we first perform a series of systematic tests with reference to European Standard EN15512, including short-column tests, long-column tests and beam-column connector tests. Based on these tests, finite element simulation is carried out to obtain boundary conditions that reflect actual working conditions.





Long-column Simulation

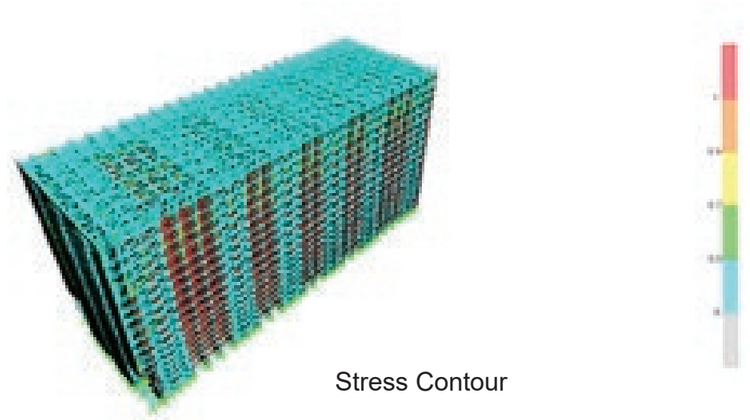


Beam-column Joint Connector Simulation

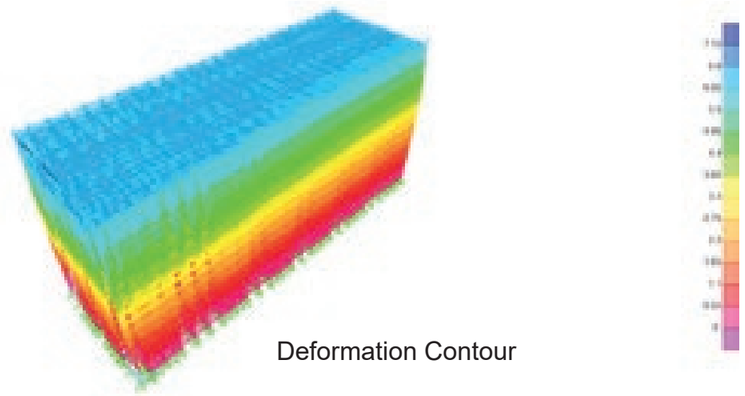


Short-column Simulation

The overall finite element analysis is verified in two stages. In the first stage, a three-dimensional model analysis is conducted to determine the distribution of internal forces and deformation. In the analysis, not only conventional static loads are considered, but seismic effects are also emphasized to ensure sufficient safety under various unfavorable working conditions. In the second stage, each independent structural component is checked to ensure sufficient resistance under the ultimate limit state, while avoiding unacceptable deformation under normal service conditions.



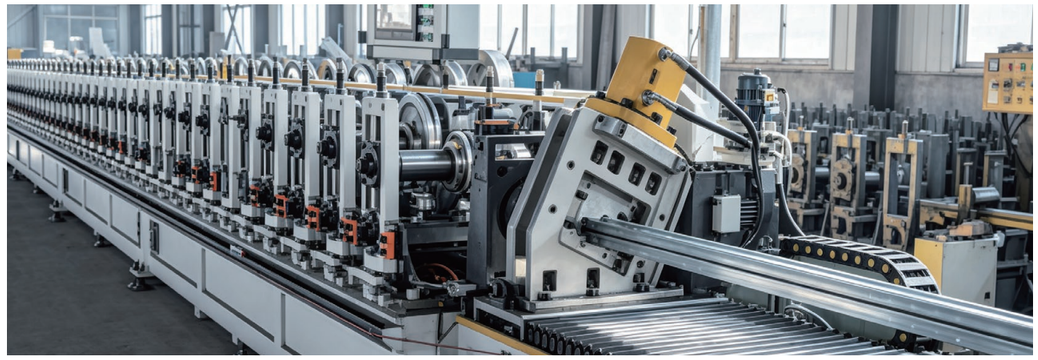
Stress Contour



Deformation Contour

Upright Cold Roll Forming Production Line

DL has made a significant investment in a world-leading German-technology automatic upright roll forming production line. This equipment features high operating speed, high precision and excellent stability. The accumulated tolerance over 15 meters is within ±1 mm, and the forming accuracy of each bending surface of the upright is within ±0.2 mm. This greatly improves the load-bearing capacity of the uprights, increases installation efficiency, reduces installation intensity and risk, and raises the vertical and horizontal accuracy of the racking system in both X and Y directions to a new level.
The equipment is designed with an automatic lubricant circulation system for rolling galvanized uprights. Even when forming uprights with a wall thickness of 3.0 mm, the zinc coating will not be damaged, greatly extending the service life of galvanized racking systems.



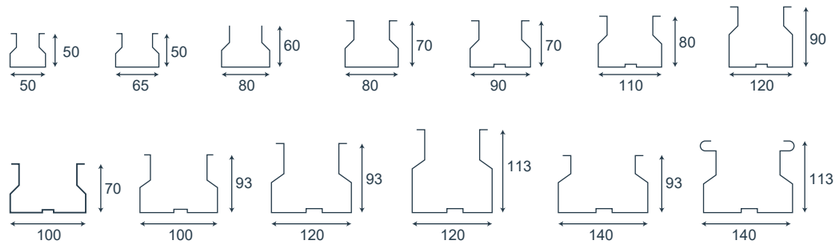
Powder Coating Equipment

The equipment is designed with an automatic lubricant circulation system for rolling galvanized uprights. Even when forming uprights with a wall thickness of 3.0 mm, the zinc coating will not be damaged, greatly extending the service life of galvanized racking systems.
The automatic spray pre-treatment system has a total length of 420 meters, making it one of the longest powder coating lines in North and Northeast China. It ensures strong powder adhesion on workpieces and greatly improves the service life of the racking system.
It meets the process requirements and surface quality requirements of complex workpieces.
Fast powder color change, high powder utilization, uniform color and long-lasting durability.
The entire coating process is fully automatic, and components up to 12 meters long can be powder coated.



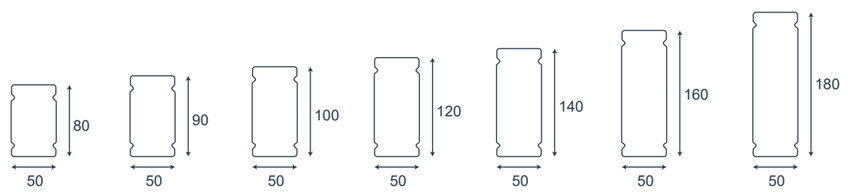
Upright





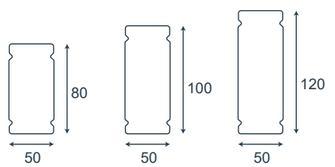
Double-box Beam





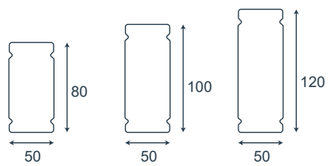
Single-box Beam





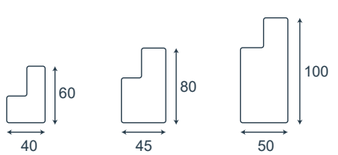
Single Box Beam

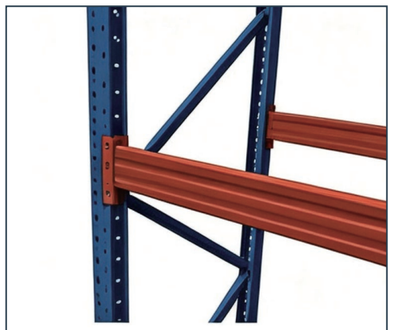




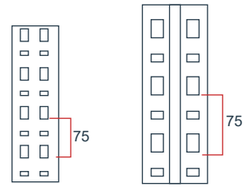
P-type Beam







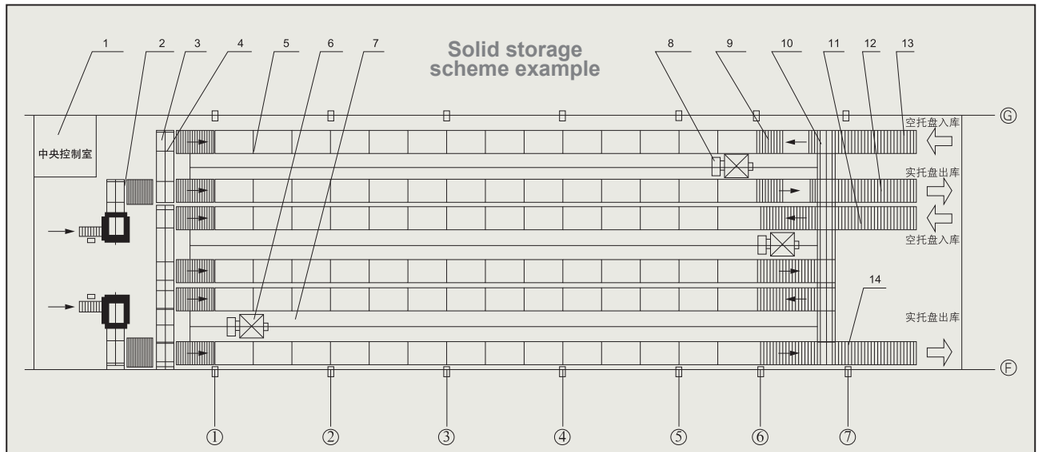
Beam-to-upright Connection Diagram



Upright Connection Diagram

Upright Cold Roll Forming Production Line

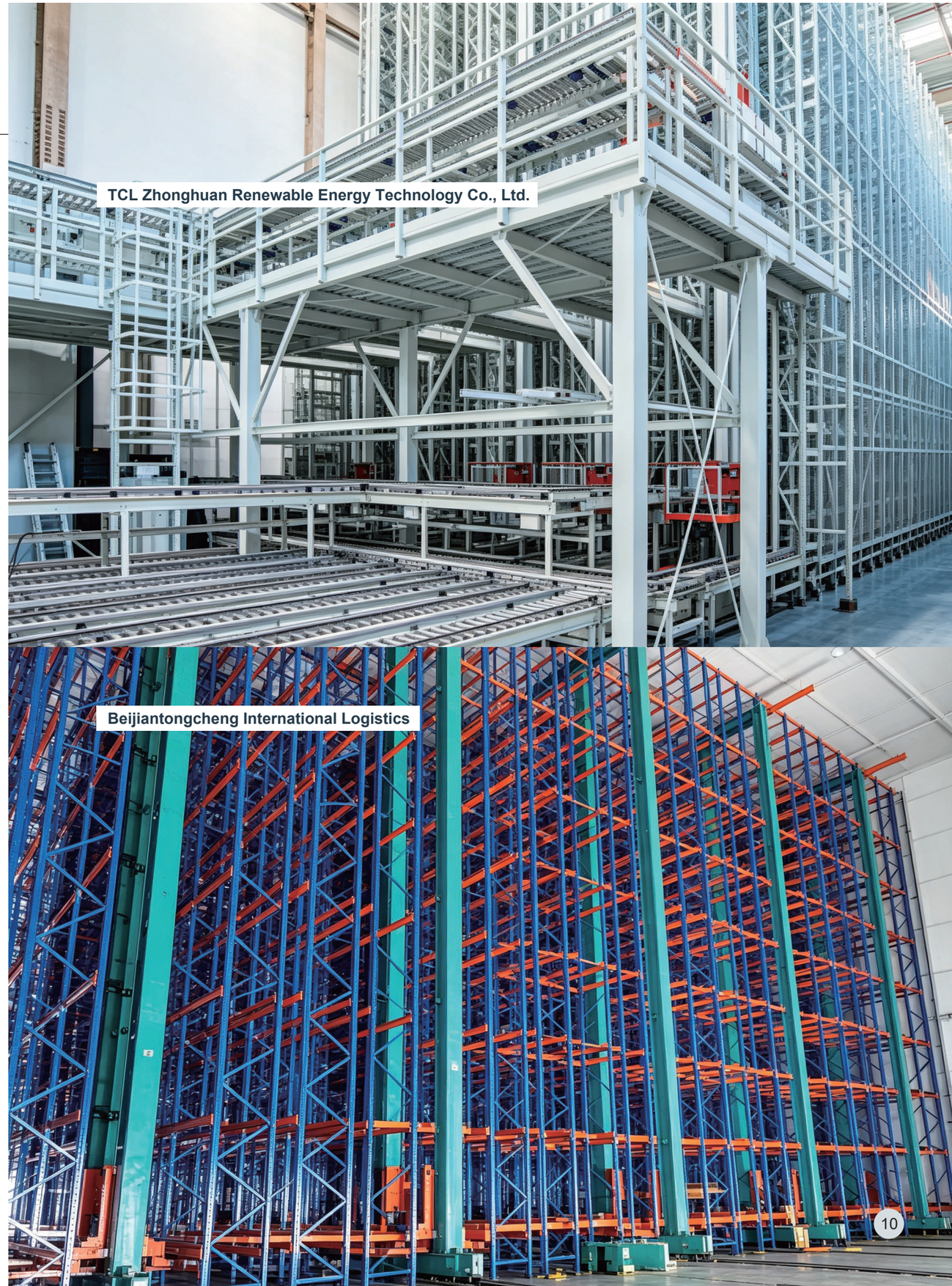
AS/RS is an important component in the logisticspart, as a logistics system, using advanced technology to improve/entory, lower logistics costs and continuously improve the level ofoperational efficiency and reasonable control of inbusiness economic benefits. With the development of modernenterprise management, thereby enhancing thelogistics system, AS/RS has become an importantconnection between manufacture and consumption field. Now, theagement control systems(WMS), and laser positioning technology,system adopts a computer integrated logistics marinfrared communications, field bus control teclinology, barcode scanning, RF systems and other advancedon with the ERP system, a full-featured, reliable performance, trulytechnology. WMS systems can exchange informaticonsumption. AS/RS will play an increasingly important role inconnecting the relations between production andevery field of life's warehouse and distribution centers.



Main Equipment

1. Computer management center
2. Electric stacker
3. Inward rolling track
4. Mobile-temporary loading vehicle
5. Rack system
6. Centrol computer controlstacker
7. Rack system
8. Centrol computer control stacker
9. Lifting table
10. Outward rolling track
11. Empty big size plate
12. Full small size plate
13. Empty small size plate
14. Full big size plate

Layout Diagram of Automated High-bay Warehouse

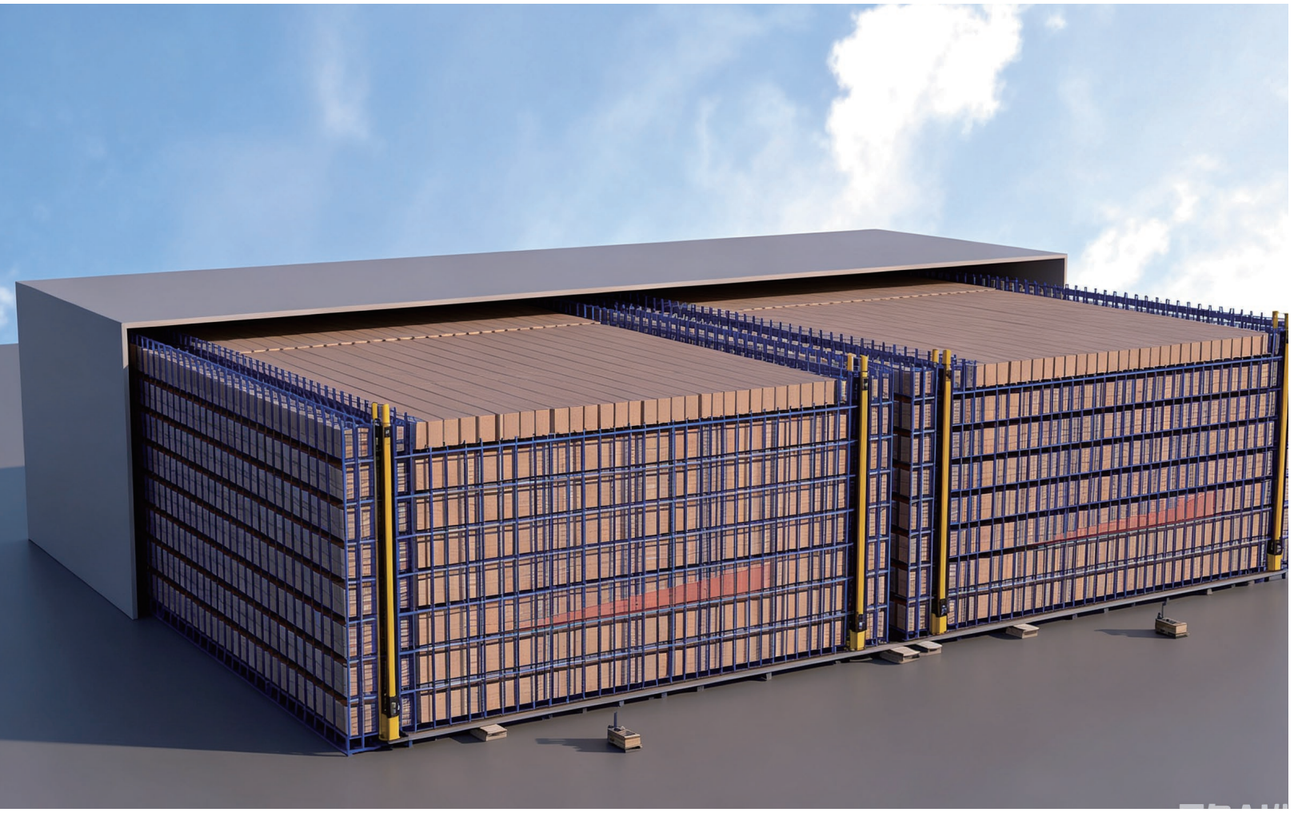


Stacker Crane + Shuttle Intelligent Warehouse

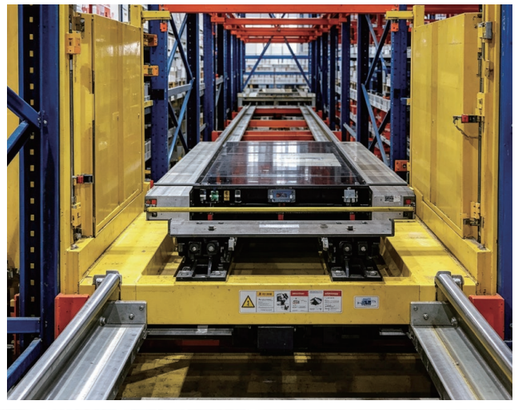
The stacker crane + shuttle intelligent warehouse system consists of aisle stacker cranes, shuttle vehicles, horizontal conveyor systems, racking systems, and WMS/WCS management and control systems. The stacker crane handles vertical and longitudinal movement of goods, while the shuttle vehicle handles lateral movement within the rack lanes. The conveyor line completes transportation to and from the inbound and outbound ports. This solution combines traditional stacker crane technology with shuttle technology to achieve high-density storage.

Product Advantages:

- More storage locations than ordinary shuttle racking layouts, improving warehouse utilization.
- Fully automated operation improves system reliability and safety.
- Balanced equipment utilization reduces the overall investment and operating cost of the warehouse.









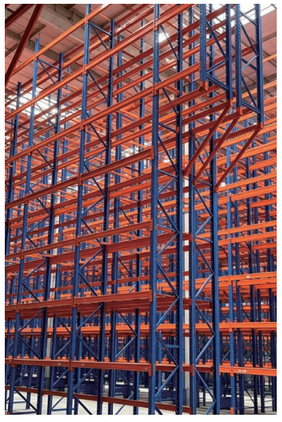
Four-way vehicle-type intelligent library

The four-way shuttle intelligent storage system is mainly composed of six parts: high-density racking, four-way shuttles, lifts, conveyor systems, WMS management system, and WCS scheduling system.

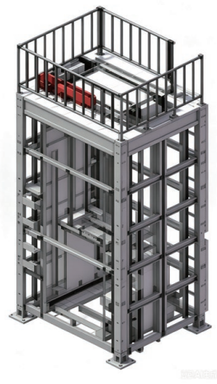
This system is an upgraded intelligent high-density storage solution based on stacker-crane dense storage and mother-child shuttle dense storage systems. It is scheduled and controlled by a computer system. Goods are moved to designated locations through the transverse and longitudinal travel of the shuttle vehicles. The lift handles high-level goods transfer and shuttle layer-changing, while the ground conveyor system connects logistics inside and outside the storage area.

It greatly supports customers' flexible requirements for different storage modes. Compared with other automated storage systems, this system offers advantages such as high safety, lower overall cost, large storage capacity, and high operating efficiency. It is especially suitable for production logistics in food, cold chain, pharmaceutical, chemical and related industries.





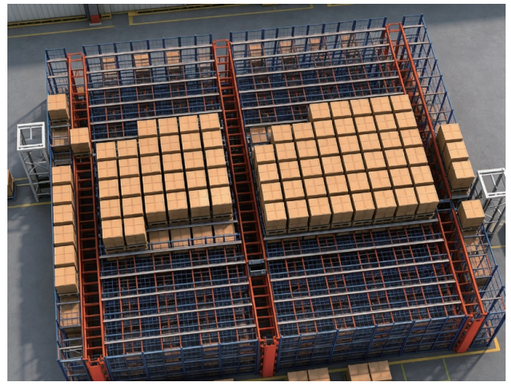
The racking system mainly consists of frames, sub-rail beams, horizontal bracing devices, sub-rails, main rail beams, main rails, and aisle-end stop plates. The main materials are cold-formed from raw materials supplied by Baosteel and Wusteel.



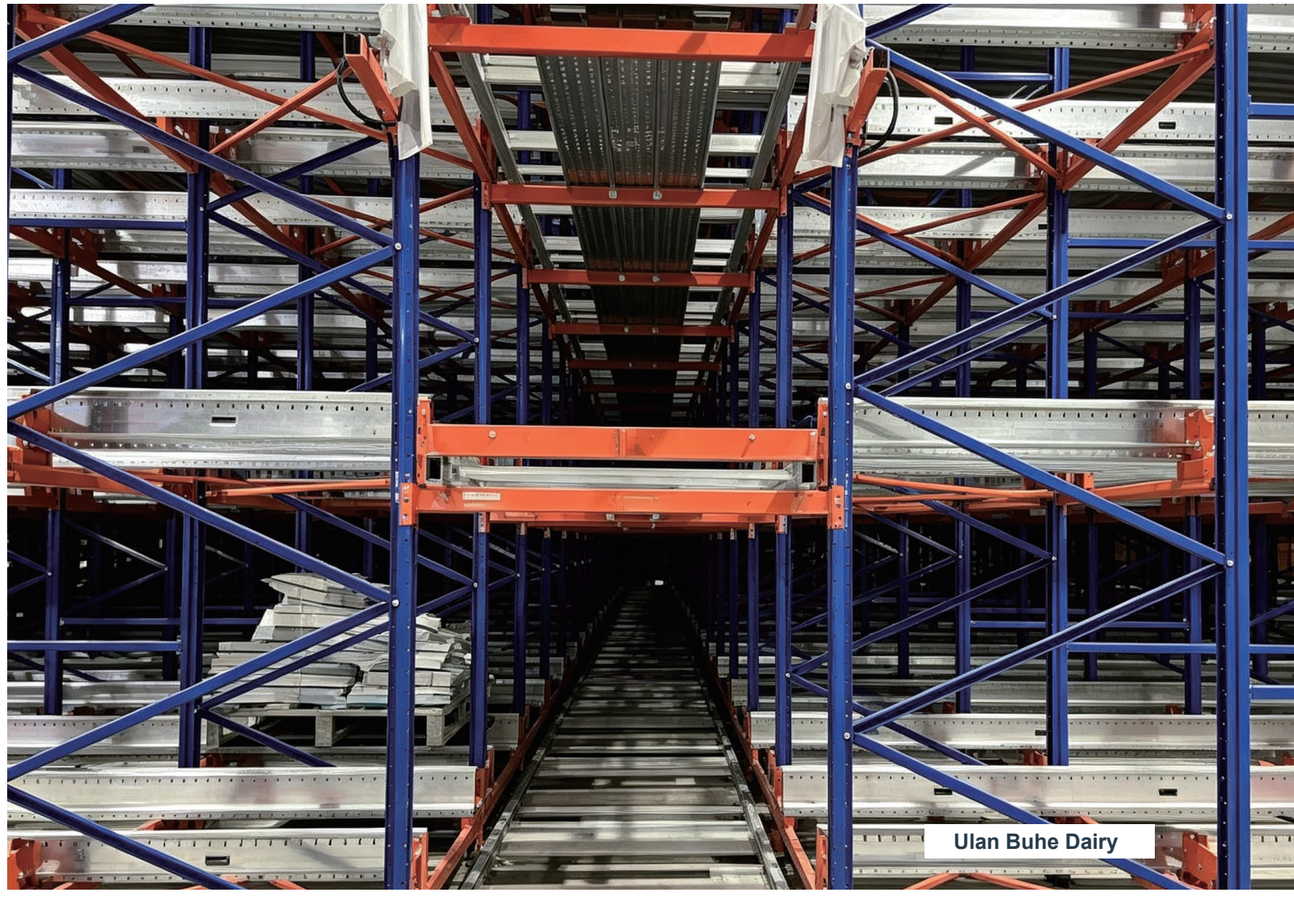
The reciprocating pallet lift mainly consists of a drive unit, lifting cargo platform, counterweight block, outer frame, and external mesh panels. The lift supports both goods lifting and shuttle layer-changing functions. It provides high load capacity with minimal settlement, allowing shuttles to directly pick and unload goods. The top and bottom areas occupy little space, maximizing warehouse space utilization.



The conveyor consists of a frame, support legs, drive unit and other components. The frame is made of aluminum alloy. Both ends use fixed toothless turning wheels, with photoelectric address recognition for precise positioning.







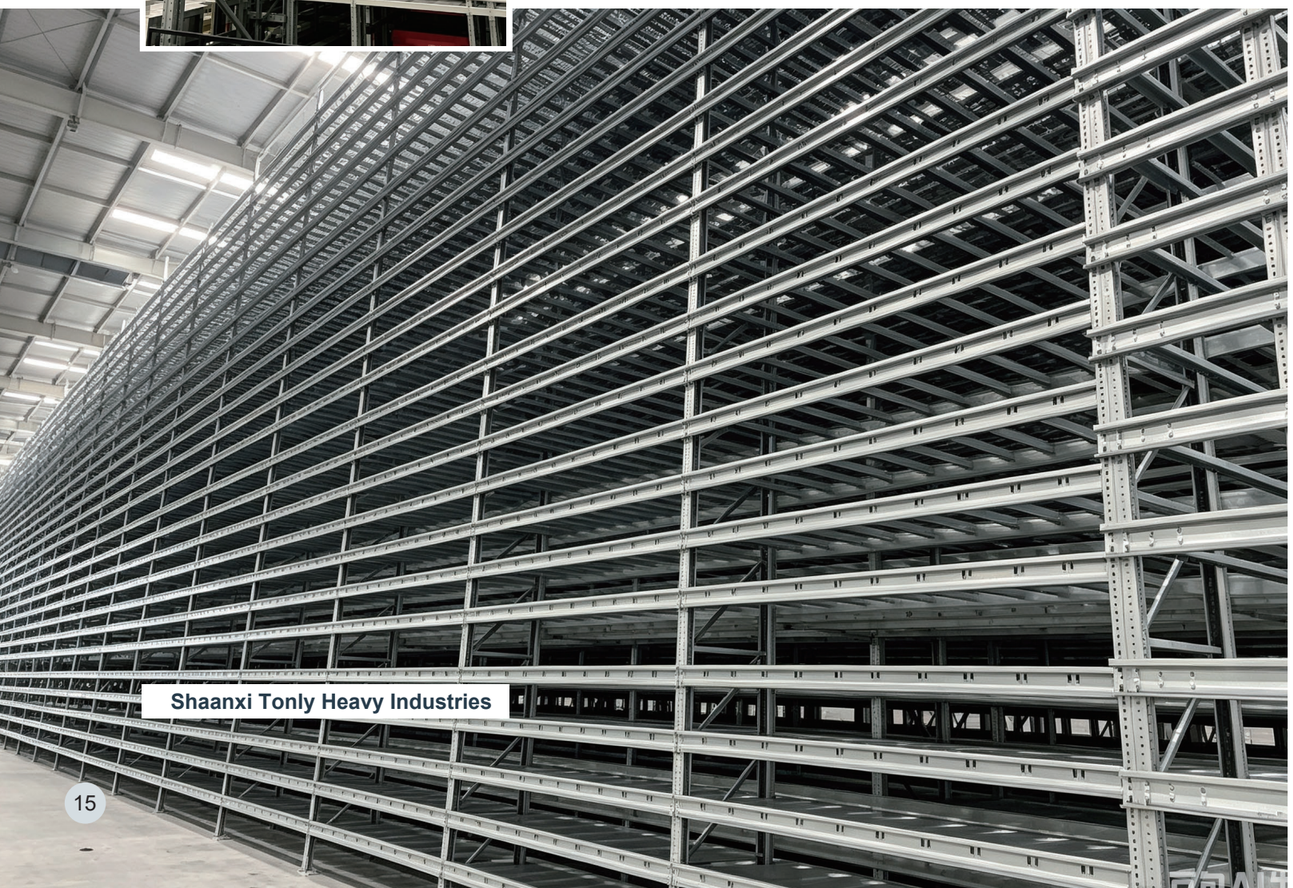
Four-way vehicle-type intelligent library



The multi-level shuttle solution mainly consists of shuttle vehicles, lifts, conveyors, and WMS/WCS management and control systems. It enables high-density storage and high-frequency rapid inbound and outbound operations for light goods.Storage, consolidation, sequencing, buffering, sorting and returns are all completed automatically through the shuttle system.The multi-shuttle system also features high throughput, multiple flow channels, FIFO operation, and automatic fast replenishment. It can access and transport multiple totes at one time, switch lanes flexibly, and adjust system capacity by increasing or reducing the number of shuttles.Application Scenarios: Media, e-commerce, pharmaceuticals, electronics, tobacco, power, aviation and other industries.

Product Advantages:

Suitable for handling and conveying cartons, totes and materials of various specifications.
Multiple power supply methods to suit different charging scenarios.
High reliability, verified by 200,000 fault-free storage/retrieval cycles and 50,000 km of travel positioning tests.
Operating speed: 0-240 m/min; acceleration: 2 m/s^2.
Positioning accuracy: ±3 mm.
Load capacity: 30-50 kg.



Shuttle-type semi-intelligent library

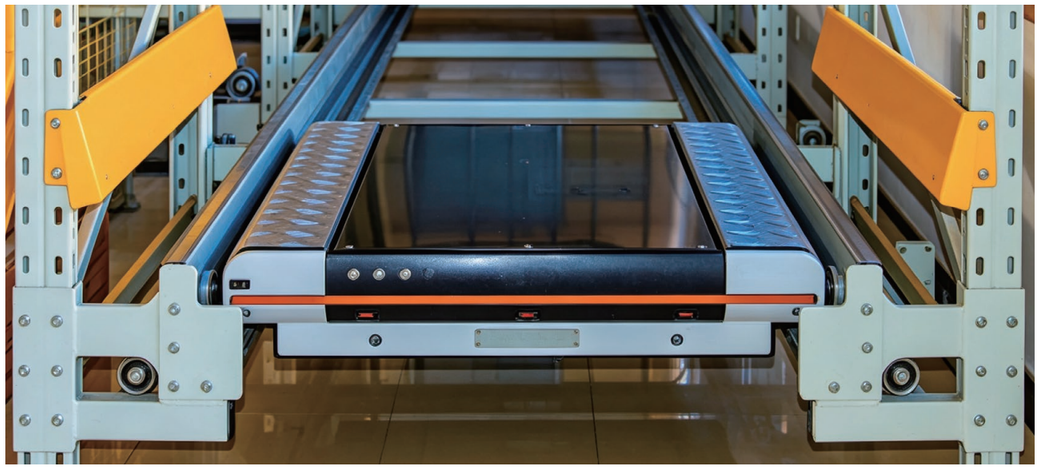
The shuttle racking system is a high-density storage system composed of racks, shuttle vehicles and forklifts. This efficient storage method improves warehouse space utilization and provides customers with a new storage option.

Operating Principle:

1. Input: forklift load the pallet in the forefront of the rails, the pallet shuttle will load the pallet and run inthe rail, which is operated by wireless radio. It can be FILO or FIFO by setting up the terminal location.
2. Output: pallet shuttle pick up the pallet inside the racking system and places it in the forefront of therails, which can be removed by forklift
3. Moving of shuttle: Shuttle can be placed to different lanes, and shared by many lanes.The lanes' depth, total pallet locations, outgoing quantity and frequency will decide the shuttle quantity.Our pallet shutle storage solution includes racking system, pallet shutles which can make 80% use ofyour warehouse.

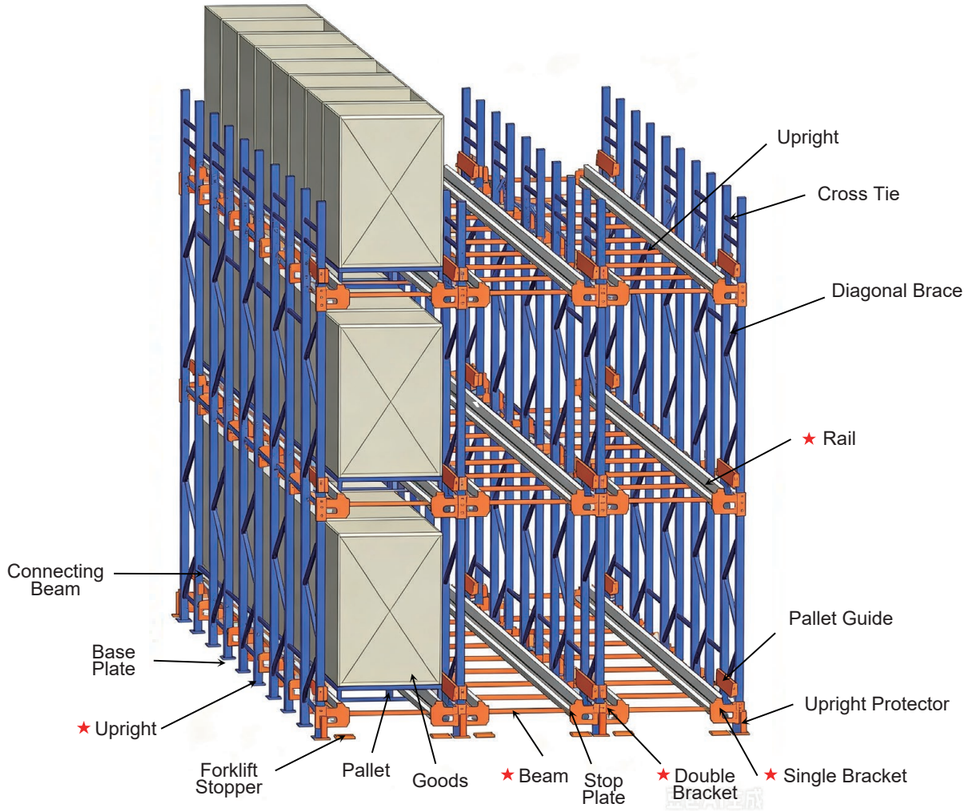
Features of Shuttle Racking:

1. High-density storage, make best use of warehouse area
2. High efficiency, reduce the work-waiting time sharply
3. Flexible operation, FILO or FIFO
4. High safety, reducing the collide between the forklift and racking system
5. Low requirement on luminary.

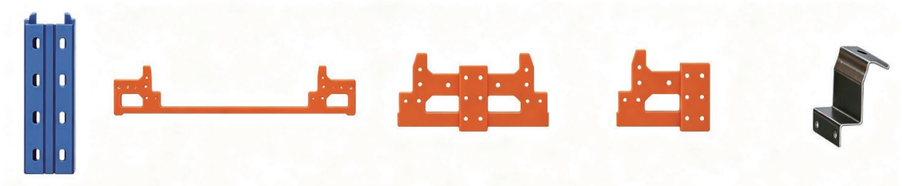








Main Components of Shuttle Racking



★ Upright
Used to support the full weight of the racking system (Main component)

★ Beam
Used to connect uprights and support guide rails (Main component)

★ Double Bracket
Used to connect the upright and rail (Main component)

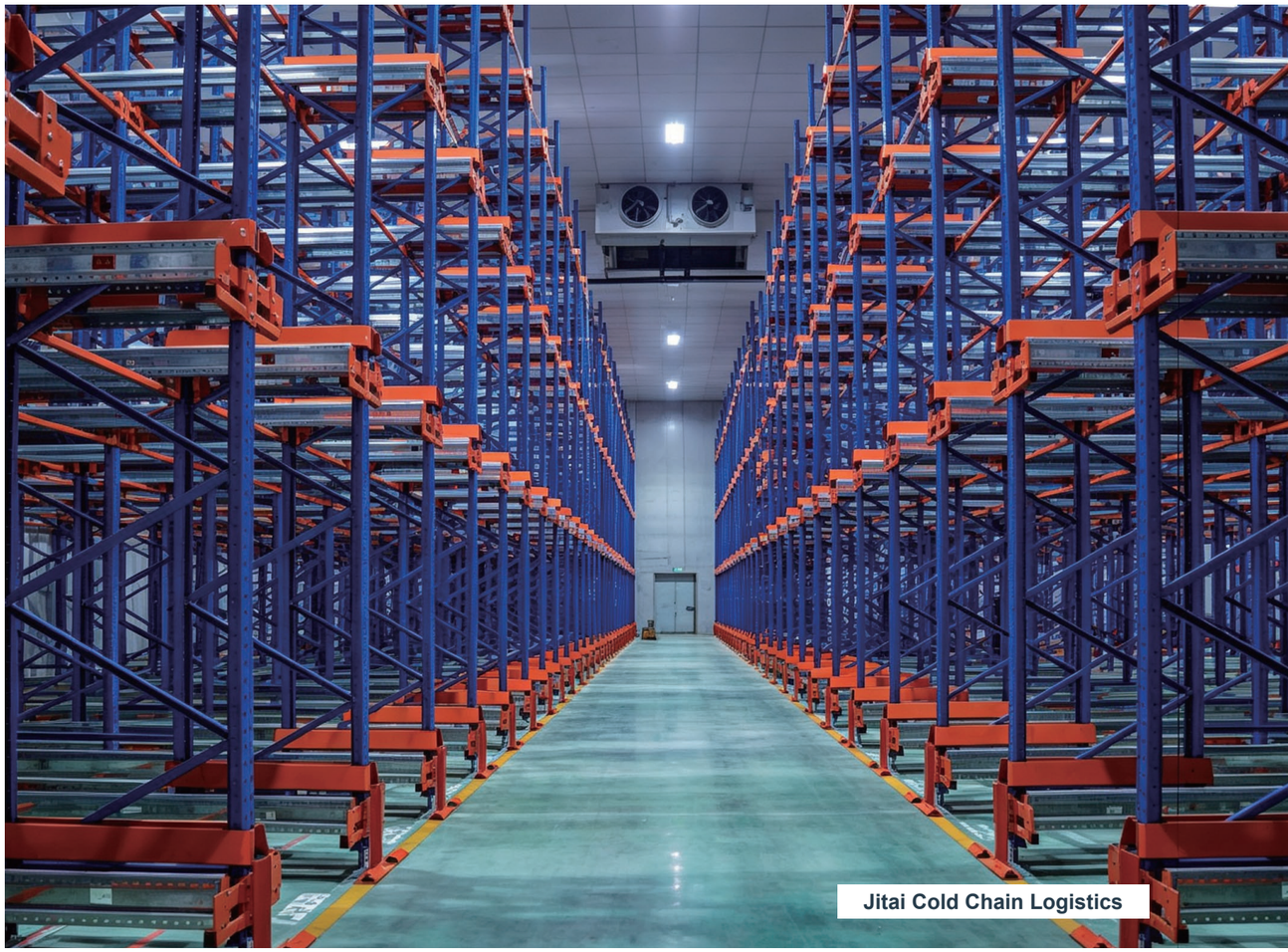
★ Single Bracket
Used to connect the upright and rail (Main component)

★ Rail
Used to support goods and the travel of the shuttle vehicle (Main component)





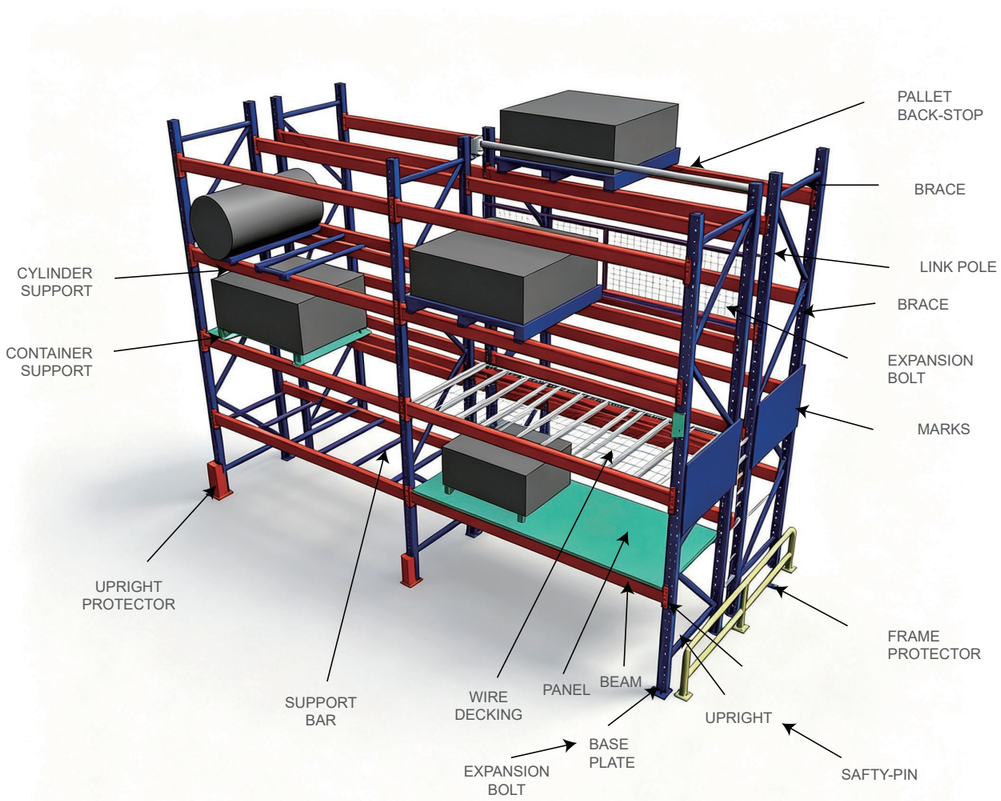




Jitai Cold Chain Logistics

Selective Pallet Racking / Beam Rack

Pallet rack is the most universal system for direct and single access to each pallet. It is the optimal solutions for those war ehouses with palletized products and a wide variety of SKUs. it is perhaps the most popular and economical form of pallet racking because it provides 100% selective storage up to 16m in height, utilizing valuable air space.
The upright bottoms are connected to the floor using expansion bolts to ensure the stability of the racks. Inward or outward bending of an upright is less than 1/1000L.
Uprights bear the full load of the pallet racking system. The transfer of rack loads from the beams through the uprights is therefore critical to overall system strength, safety and performance.
We usually supply upright protector and frame protector to prevent upright from damage.
Deflection of a beam is less than 1/250L. Beam connector available: 2- hooker, 3 - hooker, 4 - hooker connectors, depending on the load capacity per level.









Double Deep Pallet Racking

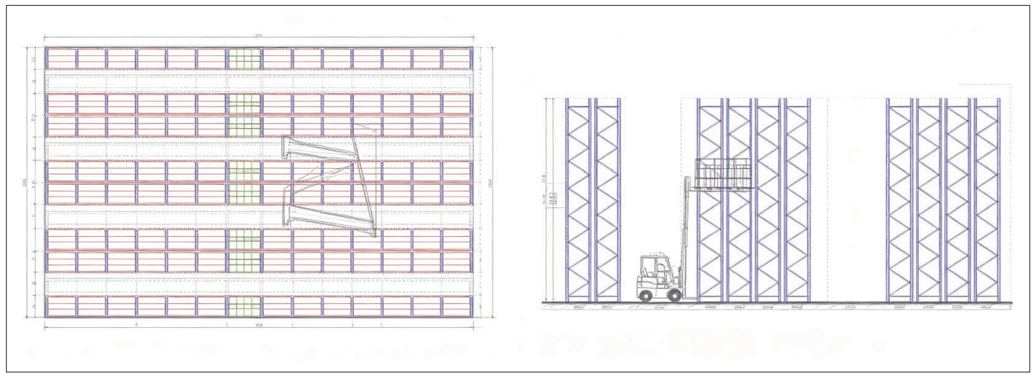
A high-density storage solution with 50% pallet accessibility. DL double deep pallet racking provides an ideal storage solution.Double deep racking is designed as two rows stored back-to-back. Its features include high warehouse utilization, relatively good selectivity, and operation with specialized forklifts.If required, guide rails can be installed on the top level of the racking to help forklift operators store and retrieve pallets quickly and safely.It also significantly reduces damage to goods and racks, while lowering rack maintenance costs.

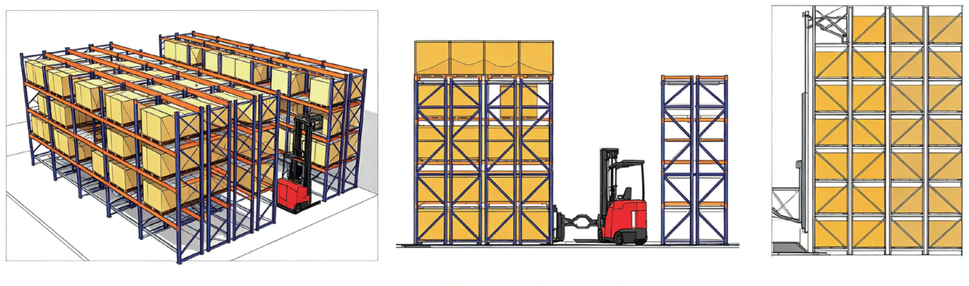
Advantages:

- Improves space utilization compared with traditional selective pallet racking.
- Use of guide rails can reduce damage to goods and racking.
- 50% pallet accessibility, with FILO operation.

Limitations:

- Requires a reach truck and a higher level of forklift operating skill.
- Higher requirements for floor flatness, fire protection and seismic performance.













Beijiantongcheng International Cold Chain Logistics

Very Narrow Aisle Pallet Racking

The very narrow aisle pallet racking system can be used in next-generation warehouses up to 15 meters high. It is designed based on the operating tolerance of VNA trucks, with aisles only slightly wider than the load; a width of about 1,600-2,000 mm is generally sufficient.This type of racking must be designed rigorously, and its manufacturing and installation must meet highly precise tolerances.Its structure is similar to conventional pallet racking, but ground guide rails must be installed on both sides of the aisle to guide VNA truck travel.VNA racking retains the flexibility of selective racking with no strict restrictions on pallet storage layout. It makes full use of warehouse floor area and height and can significantly improve storage efficiency.











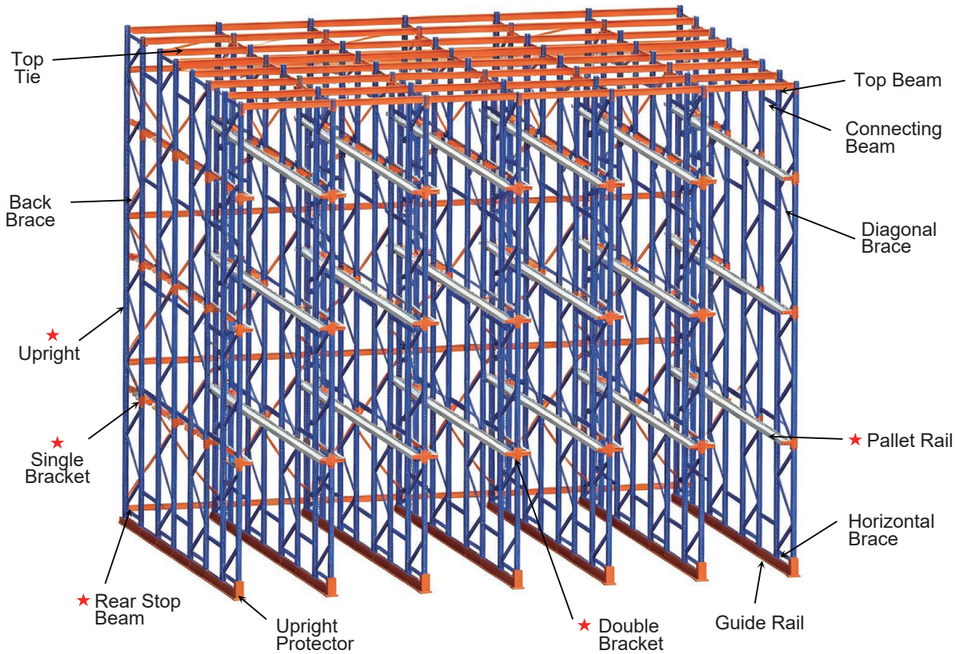




CSPC Pharmaceutical Group

Drive-through Racking

Drive-in racking also called corridor racking; adopting palletize model, save space and providing large storage capacity. Composed of continuous racking operative aisle, only setting up one main aisle for loading and added cargo; it is convenient to load and unload cargo by using forklifts; such as front-move forklift, balance-weight forklift. Drive-in racking follows the operation principle of "First-in-Last-out" (FILO) or "Frist-in-Frist-out "(FIFO); suitable for storage few type of goods with large quantity. Widely used for cold storage warehouse, milk, drink industry, food, tobacco industry and so on.



Main Components of Drive-in Racking



★ Upright
Used to support the full weight of the racking system (Main component)



★ Rear Stop Beam
Used to connect uprights and provide auxiliary support for goods (Main component)



★ Double Bracket
Used to connect the upright and pallet rail (Main component)



★ Single Bracket
Used to connect the upright and pallet rail (Main component)



★ Pallet Rail
Used to connect brackets and support goods (Main component)









Junlebao Dairy

Multi-tier Mezzanine Racking

A multi-tier mezzanine racking system builds intermediate floors on an existing worksite or racking system to increase storage space. It can be designed as two or three levels and is suitable for light, bulky, small and medium-sized goods, as well as both high-volume mixed-SKU and low-volume mixed-SKU storage, with manual picking and handling.Goods are usually transported to the second or third floor by forklift, hydraulic lifting platform or freight elevator, and then moved to the designated storage location by light trolley or hydraulic pallet truck.

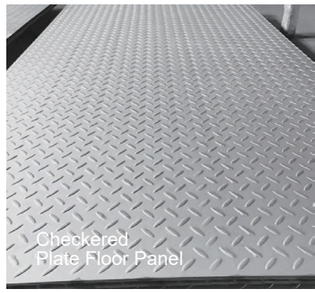
The floor panels are usually cold-formed steel floor panels, checkered steel plates, or steel grating panels.In recent years, cold-formed steel floor panels have been widely used because they provide strong load capacity, good structural integrity, uniform load distribution, high precision, flat surface and easy locking.

Mezzanine racking is suitable for warehouses with higher clear height, lighter goods, manual access and large storage volume. It is also suitable for upgrading existing warehouses and improving space utilization.

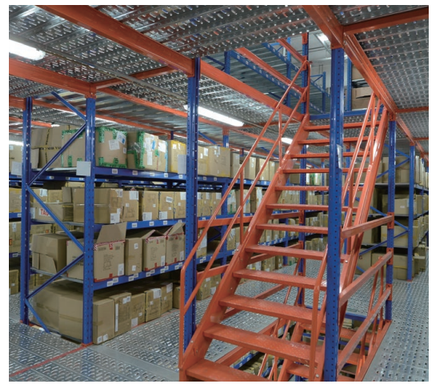

Standard
Floor Panel


Perforated
Floor Panel


Grating
Floor Panel


Checkered
Plate Floor Panel







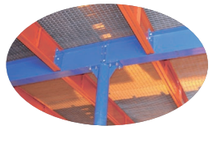


FAW-Volkswagen Distribution Center

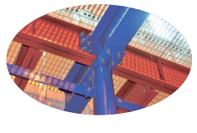
STEEL PLATFORM

Steel Platform

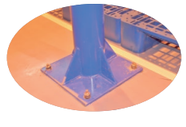
A steel platform is usually a fully assembled steel structure built as a second or third level in an existing workshop or warehouse, converting single-level space into two or three levels and making full use of the available space.Goods are transported to the second or third floor by forklift, lifting platform or freight elevator, and then moved to the designated location by trolley or hydraulic pallet truck.
Compared with reinforced concrete platforms, this type of platform offers faster construction, moderate cost, easy assembly and disassembly, relocatable use, reliable safety and an attractive structure.
The column spacing is usually within 3-5 meters. The floor height can be customized according to specific requirements. Floor panels usually use cold-formed steel panels, checkered steel plates, steel grating and similar materials.
The floor load is usually within 1,000 kg per square meter. This system is widely used in third-party logistics, machinery manufacturing and other industries.



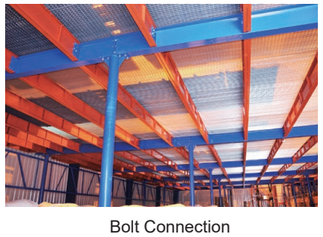
Beam-to-upright Connection



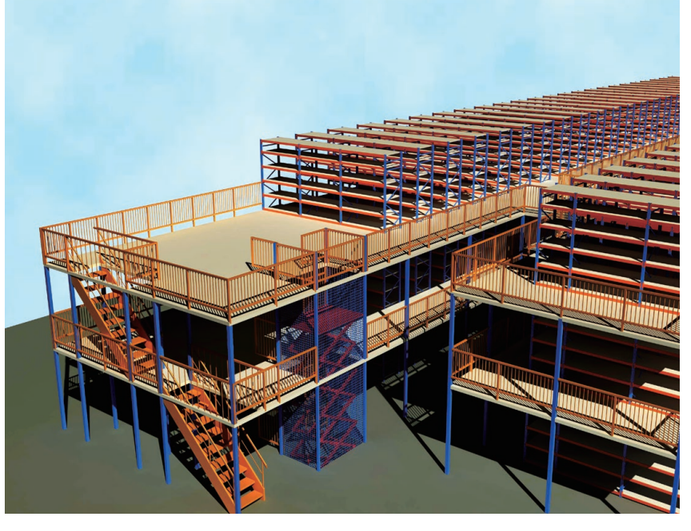
Main Beam-to-secondary Beam Connection



Upright



Bolt Connection











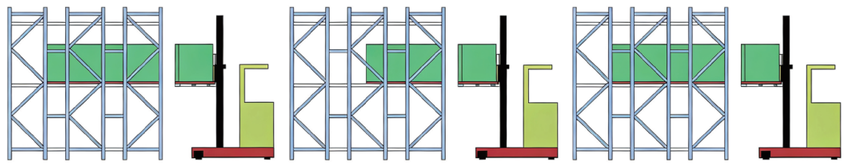
Push-back Racking

Push-back racking, also known as rear-push racking, is mainly composed of frames, beams, rails and pallet carts. Its overall structure adopts a magazine-style push-back principle.
Pallets are placed on carts and pushed into the racking system in sequence. The depth can be designed for multiple pallet positions. The cart rails are arranged at a slope of about 3 degrees, using the self-weight of the goods to achieve FILO operation.Goods storage and retrieval are completed from the same side. This racking system is generally designed within five pallets deep.
It is suitable for storing large quantities of fewer SKUs, with space utilization of over 70%. Its operating efficiency is much higher than drive-in racking and it is widely used in cold storage, books, electronics and other industries.



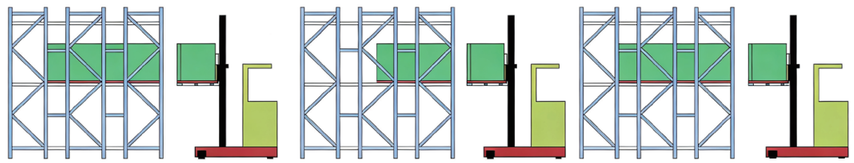


Inbound Sequence



1.Inbound　2.Inbound　3.Inbound

Outbound Sequence



1.Outbound　2.Outbound　3.Outbound





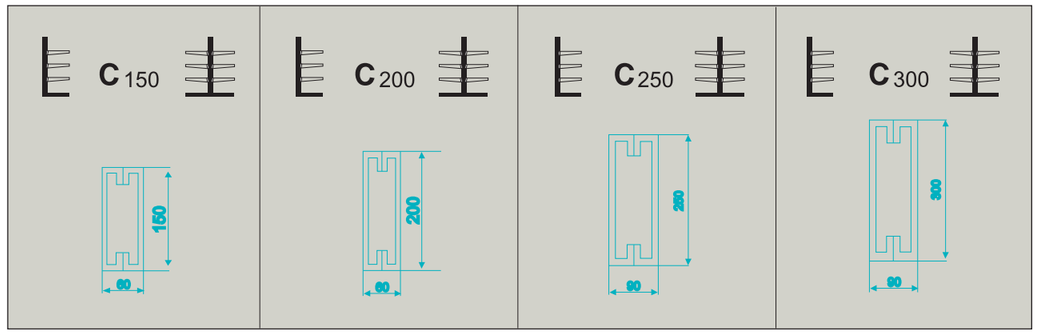




Master Kong

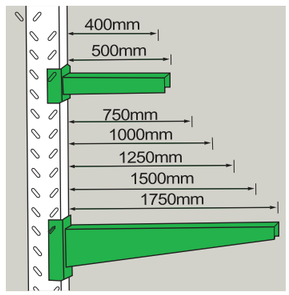
Cantilever Racking

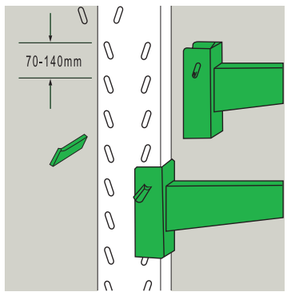
Cantilever racking is mainly used for storing long materials such as profiles, pipes, plates, sheets and cables.The uprights are usually made of H-beams or cold-formed steel, while the arms are made of square tubes, cold-formed steel or H-beams.
The arms and uprights are connected by plug-in or bolted connections, while the base and upright are connected by bolts. The base is made of cold-formed steel or H-beam steel.
Goods can be stored and retrieved by forklift, overhead crane or manual handling.The rack height is usually within 2.5 meters, or up to 6 meters when operated by forklift. Arm length is usually within 1.5 meters, and the load capacity per arm is generally within 1,000 kg.This type of racking is commonly used in machinery manufacturing and building-material supermarkets.



Parameters

L mm	单臂承重 kg	h mm	L mm	单臂承重 kg	h mm
400	500	60	1000	1000	135
500	400	60	1250	500	100
500	750	75	1250	1000	155
600	350	60	1500	500	110
600	1000	100	1500	1000	180
750	500	70	1750	500	160
750	1000	110	1750	1000	200
1000	500	90	2000	500	180
			2000	1000	220

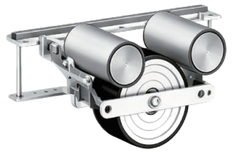




Jangho Curtain Wall Co., Ltd.

Pallet Flow Racking

Roller tracks or bottom-wheel pallets are used. The tracks are arranged at a slope of about 3 degrees, allowing goods to move by their own weight and achieve FIFO operation.
Goods are loaded from one side and retrieved from the other side. Speed reducers control pallet sliding speed to prevent blocking and pressure during operation. Automatic unloading separation gates and entry guides ensure simple and safe operation.
Because each lane can store different types of goods, this racking system provides more picking faces than drive-in racking. FIFO operation ensures that there is no expired inventory on the racks. It is suitable for goods that should not be stored for long periods due to shelf-life requirements and provides excellent space utilization.



Short Roller Speed Reducer Installation Mode



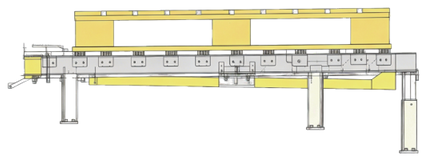
Long Roller Speed Reducer Installation Mode



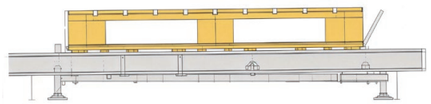
Manual Separation Lane

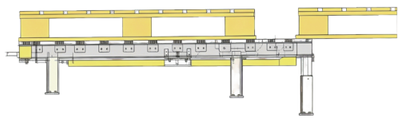


Automatic Separation Lane

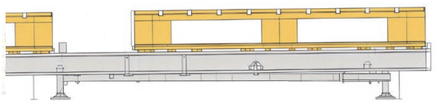


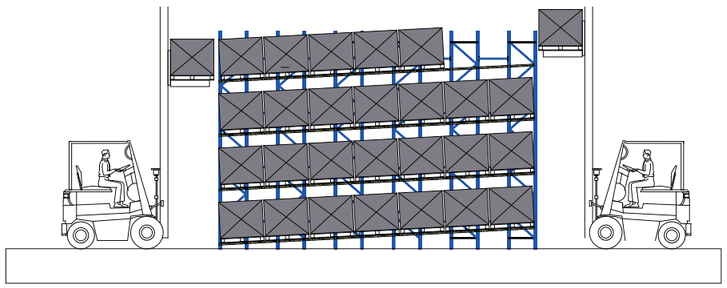
Before Pallet Separation





After Pallet Separation













Continental Automotive Electronics

Carton Flow Racking

Carton flow racking is usually developed from medium-duty beam racking. Roller-type aluminum flow rails are installed between the front and rear beams on each level at a slope of about 3 degrees.Goods are usually packed in cartons or placed in plastic turnover boxes. The goods move by their own weight, achieving FIFO operation.Goods are transported by trolley and accessed manually, making storage and retrieval convenient.The load capacity of each level is usually within 1,000 kg, and the rack height is usually within 2.5 meters.It is suitable for process transfer on both sides of assembly lines and picking operations in distribution centers. Electronic labels can be added for digital goods management.











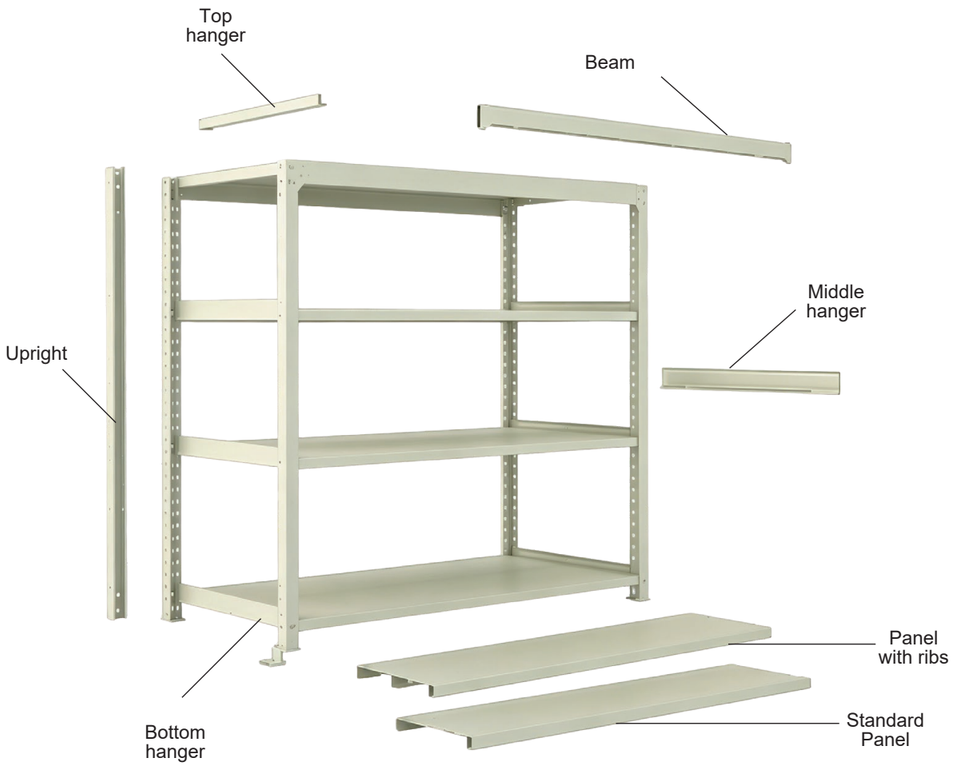






Light-duty Shelving

Boltless Light Dduty shelf mainly includes upright,beam,hangers and panel.Side board,back board or separator is available at customer's need.No bolt is needed.It is very easily to assemble.The lay height is adjustable with a pitch of 50mm.the load capacity per layer is 200kgs to 400kgs.Total load capacity is no more than 3000kgs.The max beam length is 2600mm,while its depth is no more than 1200mm.Its regular height is less than 5000mm.It is widely used in Market,Supermarket,industries to store small goods.



Medium-duty Shelving

Medium-duty shelving mainly consists of upright frames and steel panels.The uprights are roll-formed and assembled with diagonal braces and horizontal braces to form upright frames.Side-beam type panels or beam-type panels can be selected as required. The layer height can be adjusted at 50 mm intervals.The rack adopts a plug-in assembled structure with high stability and convenient installation and disassembly.It is suitable for storing small and medium-sized goods and is widely used in shopping malls, supermarkets, enterprise warehouses, public institutions and other industries.

Regular Size:

Length	Depth(mm)	Height(mm)	Capacity(kg)/ layer	Total capacity(kg)
≤ 2.6m	≤ 1.2m	< 5m	< 200-800kg	≤ 5000kg







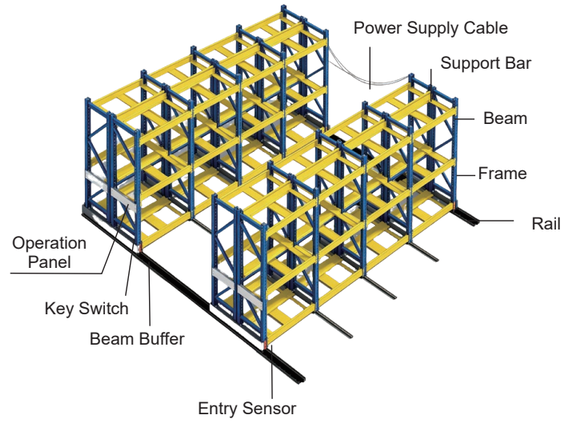
Drawer Racking

Drawer Racking Usually store molds heavy duty cargo, etc. Assemble type, bolts-nuts connection structure. The height of racking is lower than 2.5m, in addition to the top level, other levels can be designed drawer structure, safe and reliable; easy to extract weight of 2000kg goods assisting trolley or hoist cranes to achieve the loading and unloading goods.



Mobile shelves

Light and medium-duty mobile shelving, also called compact shelving, is developed from medium-duty shelving. It adopts a compact structure and requires only one aisle of about 1 meter wide. It offers good enclosure, attractive appearance, practical use, safety and reliability, and is one of the racking systems with the highest space utilization. It is available in manual and electric types.The guide rails can be embedded into the floor or installed on the floor. The rack bases travel along the guide rails, and the racks are installed on the bases. Through a sprocket transmission system, each row of racks can move easily and smoothly, with manual storage and retrieval of goods.
To prevent overturning during operation, an anti-tilting device is usually installed. It is mainly used in archives, libraries, banks, enterprise document rooms, electronics and light industries.Heavy-duty mobile racking requires only one operating aisle. Its storage capacity is at least double that of static racking, with extremely high space utilization, reliable safety, convenient and smooth movement, and no loss of adjustability.The heavy-duty mobile racking system consists of independent racks installed on mobile bases. The bases are equipped with electric drives, reducers, alarms and sensors, and can be operated by a handheld remote controller to travel along the rails.The base can support loads up to 45 meters long and 500 tons in weight, with storage height up to 8 meters.
The structure is similar to light and medium-duty mobile shelving, but heavy-duty mobile racking must be electric. Goods are stored and retrieved by forklift in full pallets. The aisle is usually about 3 meters wide. It is mainly used in warehouses with limited space where maximum space utilization is required, and is suitable for machinery manufacturing and other industries.





Vestas





CP Food

Logistic Equipment

Factory Partition

Factory partition: a reinforced wire mesh structure. The uprights and mesh panels are connected by screws or hanging lugs.The surface is treated by powder coating or spray painting, giving an attractive appearance and enabling zoned management.







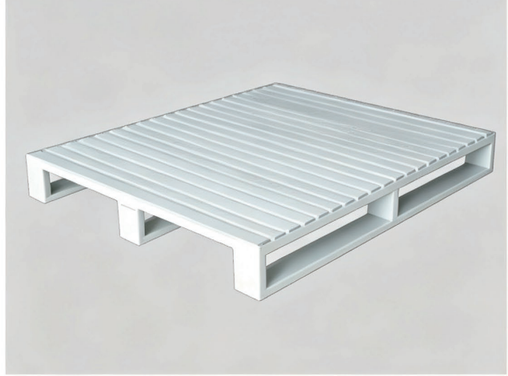


Masterwork Group Co., Ltd.

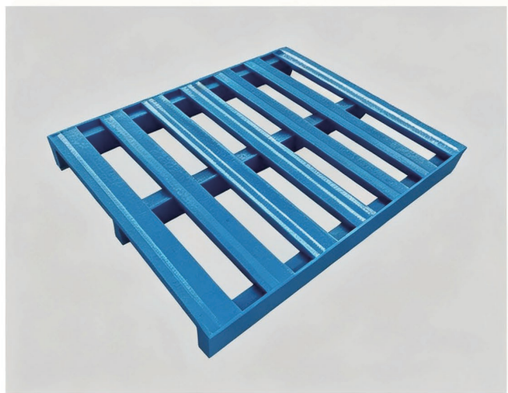
Steel Pallet

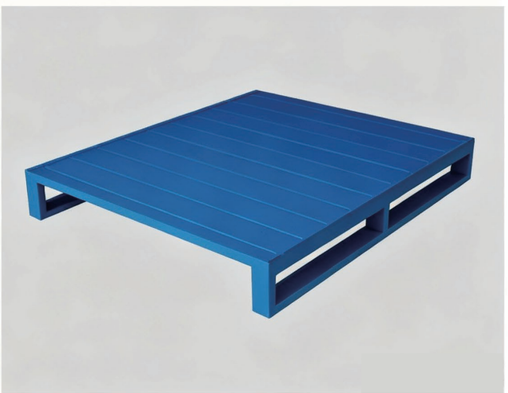
Two-way or four-way forklift entry is available. The bottom plate design can meet the requirements of conveyor lines and automatic packaging systems. Our self-developed leveling system ensures pallet flatness.

- Among pallet types, steel pallets offer the strongest load capacity. They are durable, not easily damaged, and can be customized in color and size.
- 100% environmentally friendly, recyclable and reusable, with no waste of resources.
- Various deck styles are available, with powder-coated or galvanized surface treatment.
- Waterproof and moisture-proof. Compared with wooden pallets, steel pallets have environmental advantages, as wooden pallets are more prone to pests.
- Compared with plastic pallets, steel pallets have advantages in strength, wear resistance, temperature resistance and cost performance.
- Especially for export, no fumigation, high-temperature disinfection or anti-corrosion treatment is required, meeting international environmental regulations.











Tool Table - DL-A



Tool Table - DL-B



Tool Cart - C



Steel Pallet (A)



Steel Pallet (B)



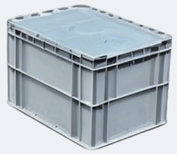
Steel Pallet (C)



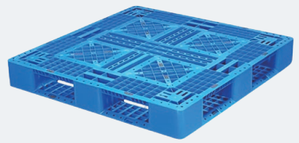
Stackable Logistics Box



Foldable Turnover Box



Sealed Turnover Box



Plastic Pallet



Post Pallet A



Post Pallet B



Stacking Rack



Logistics Equipment



Logistics Equipment



Pipe Rack



Material Box



Foldable Rack



Four-post Storage Cage

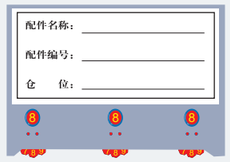


Storage Cage

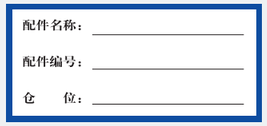


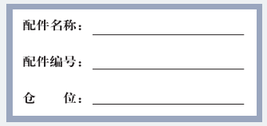
Stacking Pallet





Magnetic Label 65x80 65x100





Magnetic Label 40x70 30x70 40x100 50x100 50x80 60x100

Project Cases

Automotive Industry	Continental Automotive Electronics	**Cold Chain Logistics**	Liaocheng Wanjia Cold Chain Logistics Center Project
	Volkswagen Automatic Transmission Tianjin Co., Ltd.		Tianjin Haijixing Agricultural Products Logistics Co., Ltd.
	FAW Import & Export Co., Ltd. Imported Parts Tianjin Company		Beijiantongcheng (Tianjin) International Logistics Co., Ltd.
	Great Wall Motor, Baoding, Hebei	**Power Industry**	Junliangcheng Power Plant
	Tianjin Leda Automotive		Dagang Power Plant
	Shanghai Volkswagen Automotive		Guoneng Power Plant
	Tianjin Lovol Power Co., Ltd.		China Resources Power
	Tianjin Lizhong Wheel Co., Ltd.		XJ Group
	Baoding Life Automotive Lighting Co., Ltd.		China Power Heze Co., Ltd.
	CITIC Dicastal Wheel Manufacturing Co., Ltd.		Hebei Datang International Thermal Power Group
	Tianjin Jintian Auto Parts Co., Ltd.	**Food Industry**	Nestlé Beijing R&D Center
Pharmac-eutical Industry	Huajin Pharmaceutical		Kangbeier Food
	Beijing Saike Pharmaceutical		CP Food
	Rongchang Pharmaceutical		Dacheng Wanda Tianjin Co., Ltd.
	CSPC Pharmaceutical Group		Hebei Jinmailang Food
	Novo Nordisk Pharmaceutical		Hebei Jiudao Food
	China National Medicines Corporation Ltd.		Tianjin Master Kong Group
	Tianjin Taiping Pharmaceutical Group		Hebei Junlebao Dairy
	Tianjin Hainuode Pharmaceutical Co., Ltd.		Heilongjiang Wandashan Dairy
	Shanxi Fuyuan Pharmaceutical Co., Ltd.		Daqing Dairy Factory
	Shanxi Sinopharm Weiqida Pharmaceutical Co., Ltd.		Sanyuan Dairy
System Integrators	Beijing Gaoke Logistics Storage Equipment Co., Ltd.		Harbin Maiken Company
	Daifuku (China) Automation Co., Ltd.		Inner Mongolia Ulan Buhe Dairy
	Jiangsu Anxin Logistics Equipment Co., Ltd.		Tianjin Limin Seasoning Co., Ltd.
	Tianjin Huanbo Technology Co., Ltd.		Tianjin Zimu Dairy Co., Ltd.
	Langfang Kede Intelligent Storage Equipment Co., Ltd.		Beijing Zhen Kungfu Catering Co., Ltd.
	Beijing Tianrui Xingguang Thermal Technology Co., Ltd.		Qinhuangdao Luquan Aquatic Products Co., Ltd.
	Wuxi Zhongding Integration Technology Co., Ltd.		Qinhuangdao Haidong Aquatic Products Co., Ltd.
	Hefei Jingsong Intelligent Technology Co., Ltd.	**Logistics Industry**	COSCO Logistics
Chemical Industry	Shijiazhuang Jack Chemical		Fresh-keeping Logistics
	Baoding Jiufu Biochemical Co., Ltd.		SF Express Tianjin Logistics Center
	Hebei Sanchuan Chemical Co., Ltd.		Beidahuang Logistics
	Hebei Chengjia Co., Ltd.		Quancheng Logistics
Military Region	Beijing Second Artillery		Tianjin Hanjisi International Agricultural Products Logistics
	Shenyang Military Region		FAW Logistics Co., Ltd.
	Guangdong Military Region		Beijing Yihe Logistics
	Factory 6456 of the General Armament Department of the Chinese People's Liberation Army		Tianjin Jinji Storage & Transportation Co., Ltd.
			Changchun Yaqi Logistics Co., Ltd.
Cold Chain Logistics	Caofeidian Comprehensive Bonded Zone Insulated Cold Storage Logistics		Hansong International Logistics Tianjin Co., Ltd.
	Dazhuangyuan Group Smart Cold Chain Logistics Park Project		Beijing Jiushan Logistics Co., Ltd.
	Erdun Food Group Cold Chain Logistics Center Project		Hebei Huiyou Logistics Distribution Center
	Lixin Food Group Yashida Cold Chain Logistics Center Project		Kerry EAS Logistics Co., Ltd.

Common Racking Colors

Orange Red · Orange Yellow · Bright Yellow · Peacock Blue · Brownish Blue · Light Grey · White

Partners