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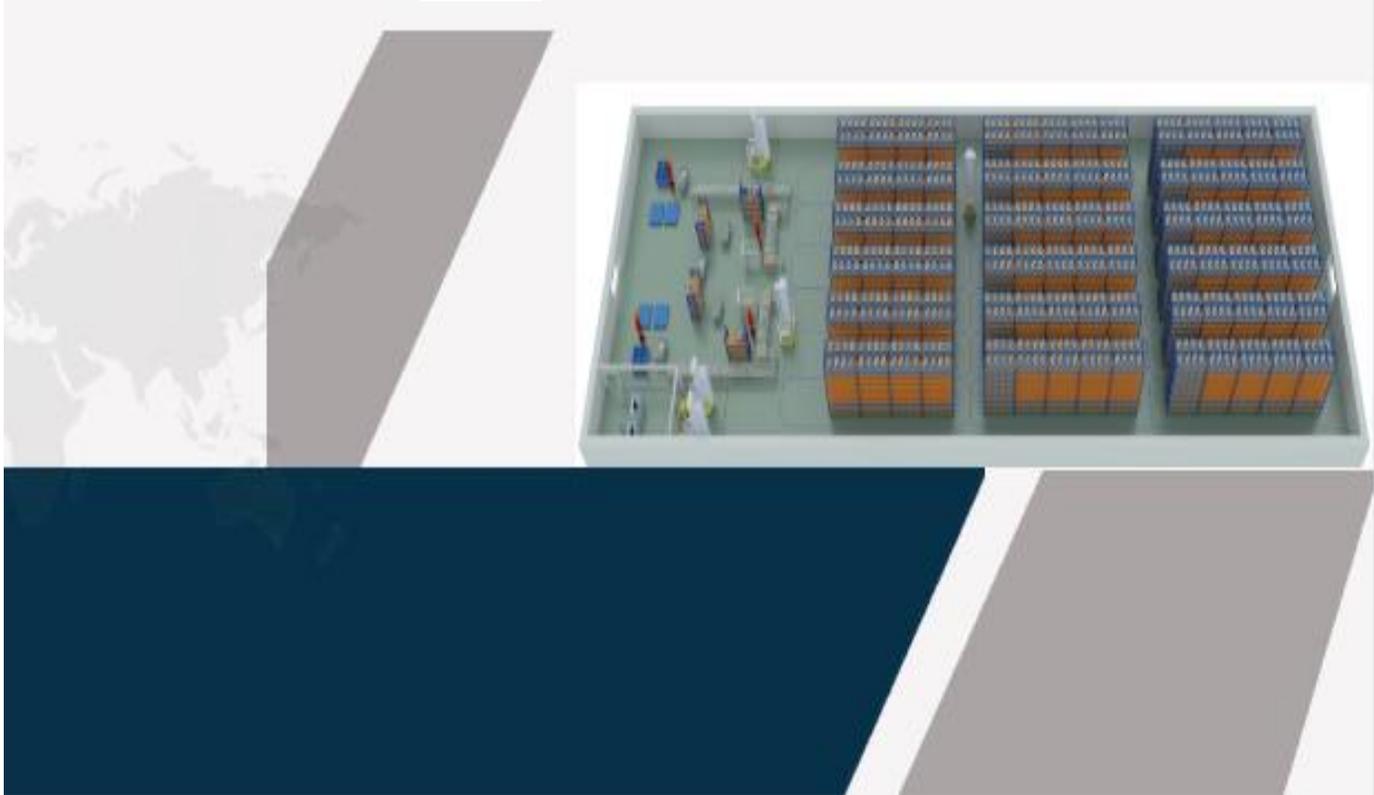
24-Hour Service Hotline

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Huifeng

16 years of professional experience for warehouse storage solution



## 江西汇峰智能物流装备有限公司

Jiangxi Huifeng intelligent logistics equipment Co.,Ltd

网址 (website) <https://jxhuifeng.en.alibaba.com>

电话 (TEL.NO):(+86) 0795-8429658

地址 (Address): 江西省宜春市万载县工业园区振兴路16号

No.16 Zhenxing road industrial district Wanzai county, Yichun city Jiangxi province.

浙江省永康市前黄工业区  
Quanhuang industrial district , yongkang city Zhejiang province

邮箱 (Email): 13858932915@163.com

## 汇峰智能物流装备

江西汇峰智能物流装备有限公司是一家专业从事仓储货架及智能物流配套设备的研发、生产、销售和安装于一体的现代化生产企业，为客户提供全方位仓库存储解决方案。

Jiangxi Huifeng intelligent logistics equipment Co., Ltd is a modern manufacture enterprise to devote to warehouse storage rack and intelligent logistic equipments integrate research & devolpment , manufacture,sales and installation, Provide customers with a full range of warehouse storage solutions.



## 江西汇峰智能物流设备有限公司

位于江西省宜春市万载县工业园区。基地厂房面积约13000平方米，拥有激光切割机、龙门铣床、高精度数控机床、机器人焊接生产线等齐全的硬件设施，拥有专业的技术核心团队和高效的生产能力。获得ISO9001质量管理体系认证。我公司拥有自主商标品牌，年产值约6000万元，总投资约4500万元，已完成年销售额约4000万元。可为客户提供OEM/ODM，交钥匙解决方案服务。主要产品有智能立体仓库、轻型高速小载重堆垛机、穿梭车、RGV、AGV、FMS柔性生产线、输送线等智能物流设备及ASRS系列产品。同时，我们还承接所有物流设备相关的售后维护服务，为客户提供性价比高的产品和优质的服务是我们一贯的使命，努力打造行业标杆品牌是我们追求的目标。我们坚持以技术创新为先导，以“精益创新，合作共赢”的企业精神，与您携手共创智能新时代。



HUIFENG

## Jiangxi Huifeng Intelligent Logistics Equipment Co., LTD.,

located in Wanzai County Industrial Park, Yichun City, Jiangxi province. the area of the base plant about 13,000 square meters, has comprehensive hardware facilities such as laser cutting machine, gantry milling machine, high-precision CNC machine tools, robot welding production line, etc., owned professional technology core team and high efficient production capabilities . gained ISO9001 QMS certificate. Our company has independent trademark brand, annual output value of about 60 million yuan, total investment about 45 million yuan, has completed the annual sales of about 40 million. can provide OEM/ODM , turnkey solution service to the customers . main products includes intelligent logistics equipment and ASRS series products such as intelligent three-dimensional warehouse, light high-speed Miniload stacker and heavy stacker, shuttle, RGV, AGV, FMS flexible manufacturing line, conveyor line, etc. At the same time, we also undertake all logistics equipment related after-sales maintenance services, to provide customers with high price ratio of products and quality service is our consistent mission, and strive to build industry benchmarking brand is our chasing goal. We insist on the technology innovation as the leading, the "lean innovation, win-win cooperation" spirit of enterprise, and cooperate with you to create a new era of intelligence.

# 发展历程

Development History

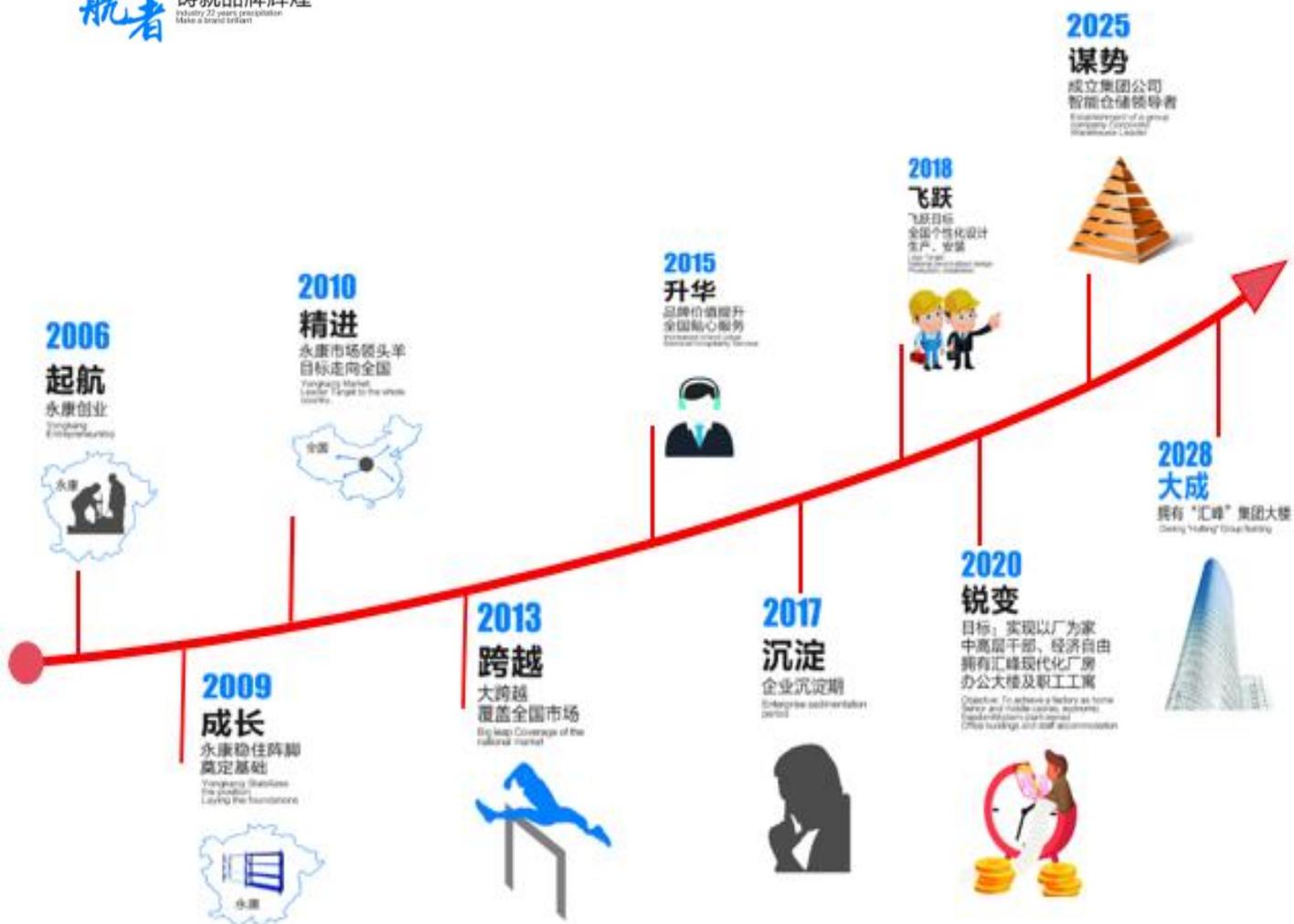
## 序言

PREFACE

●汇峰本着“客户优先，品质至上，服务满意，共同发展”的宗旨，致力于智能物流及仓储设备的研发，制造，销售，为客户提供能应对不断升级更迭的发展的仓储智能化管理方案。

●With the tenet of "customer first, quality first, service satisfaction and common development", Huifeng is committed to the research and development, manufacturing and sales of intelligent logistics and warehousing equipment, and provides customers with intelligent warehousing management solutions that can cope with the continuous upgrading and development.

**领航者** 行业22年沉淀  
铸就品牌辉煌  
Industry 22 years' precipitation  
Make a brand brilliant





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# 重型货架

## HEAVY DUTY RACK

重型货架又称横梁式货架，是各种仓储货架系统中最为常见的一种货架；其承载范围可达 1000-5000kg/层，以立柱片加横梁形式的组装结构，结构简单；搭配叉车工作，采用方便的托盘存取方式，周转率极高，适合储存各类货物，被众多企业广泛应用。

Heavy duty racks, also known as beam racks. It's the most common racks in various storage racking systems, and the load capacity can reach 1000-5000kg/layer. It is an assembly structure in the form of upright frames and beams. It has a simple structure and works with forklifts. It uses a convenient pallet access method and has a high turnover rate. It is suitable for storing various types of goods and is widely used by many companies.



立柱示意图  
upright diagram



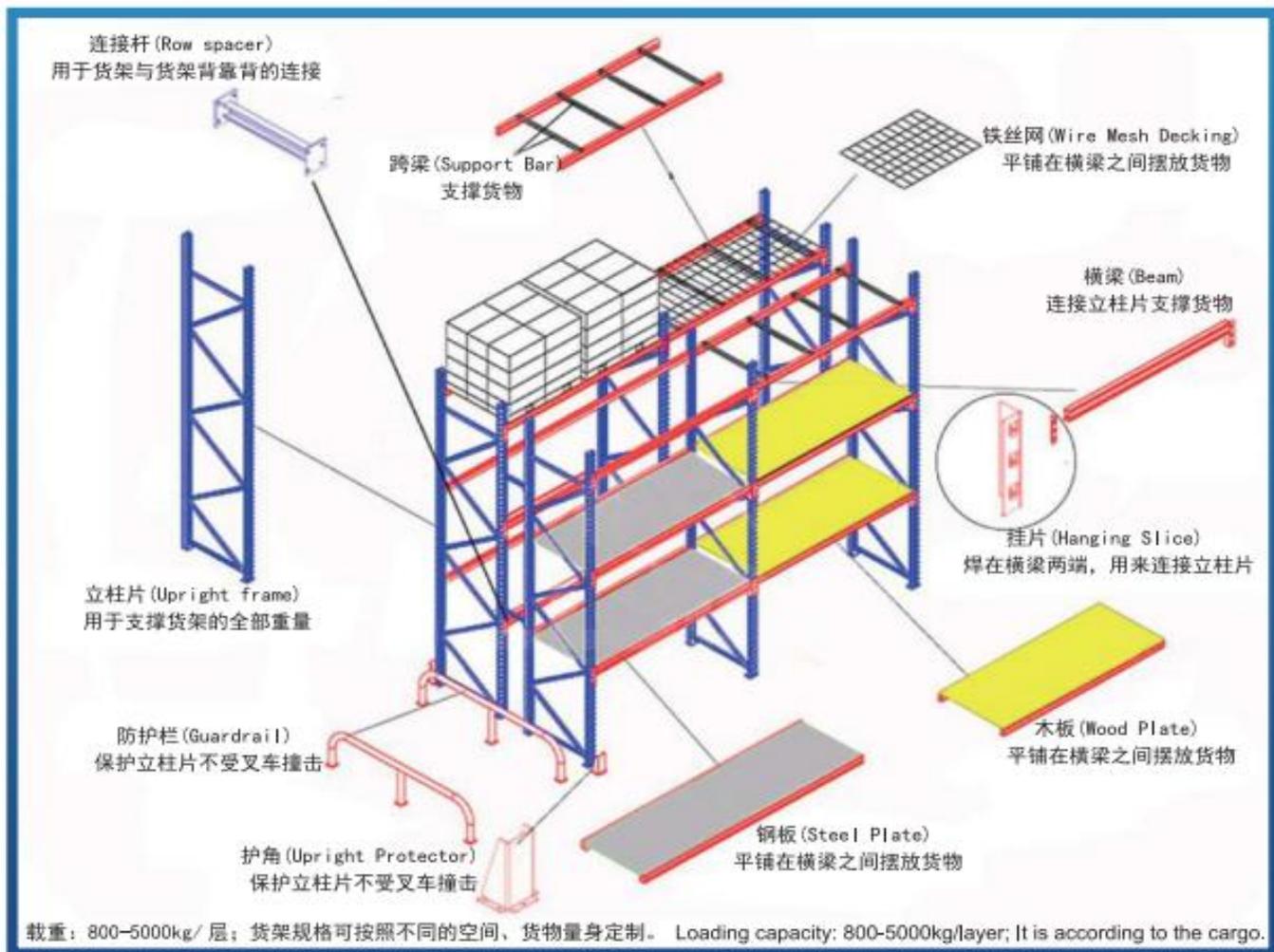
横梁示意图  
beam diagram



立柱与横梁连接示意图  
upright and beam  
connection diagram

# 重型货架结构

## HEAVY DUTY RACK STRUCTURE



FEATURE

### 产品特点

- 立柱采用 22 道冷轧成型, 横梁采用 22 道冷轧成型, 型材美观、承载力强;
- 插接组装式结构, 安全稳固, 操作简单, 安装快捷, 层高 75MM 均可上下调节;
- 可根据存储单元集装设备的特性加装如: 铁网、钢层板、木层板等;
- 与叉车和托盘配合使用, 存储容量大, 存储效率高。
- Both the upright and the beam are formed by 22 rolls, the profile is beautiful, and the loading capacity is strong;
- It adopts a plug-in assembly structure, which is safe and stable, easy to operate, and fast to install. The pitch holes of 75MM can be adjusted up and down;
- It can be installed according to the characteristics of the storage unit container equipment, such as: wire mesh decking, steel plate, wood plate, etc;
- It works with forklift and pallet for large storage capacity and high efficiency store.



横梁式  
beam rack



铺木层板  
For use with wooden panels



铺钢层板  
For use with steel plates



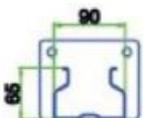
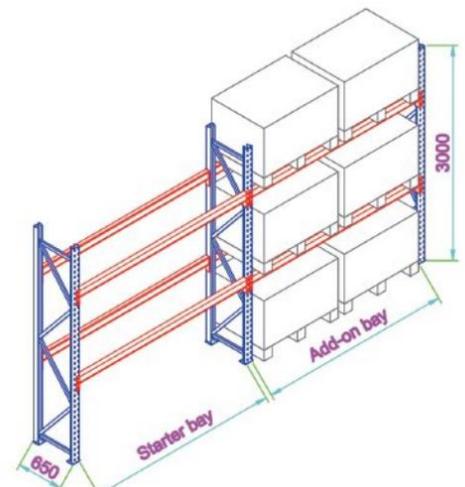
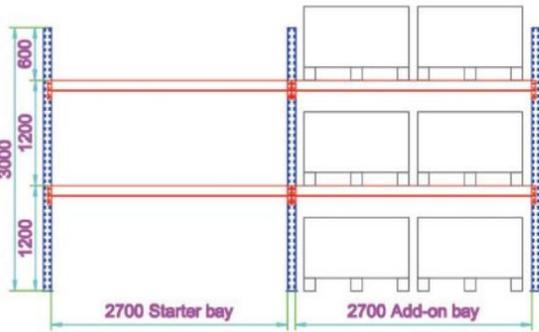
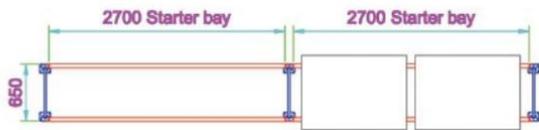
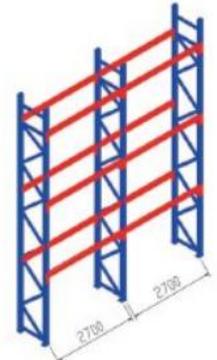
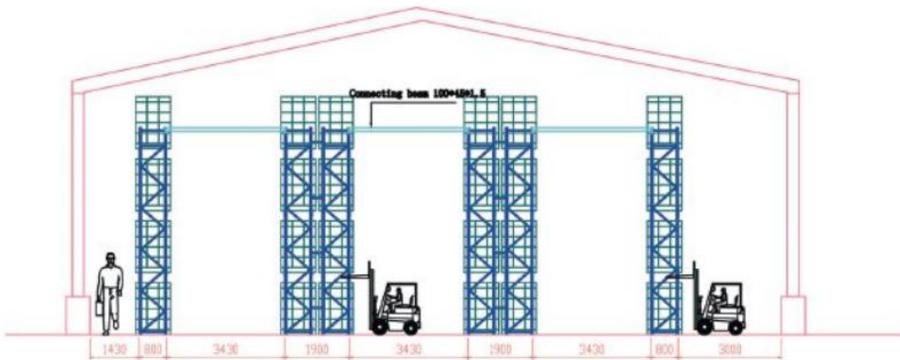
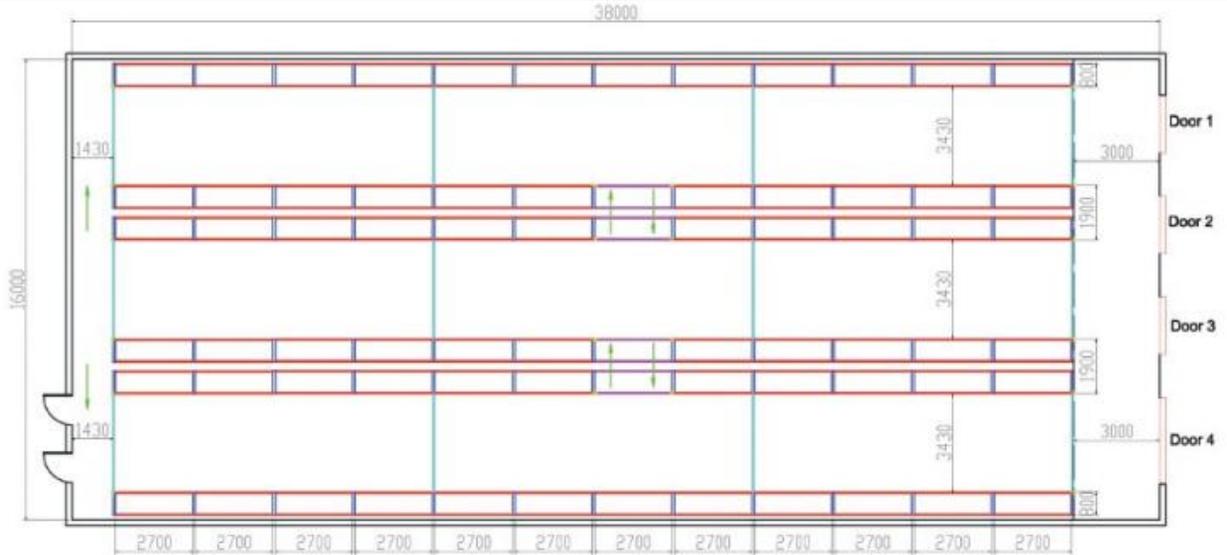
铺铁丝网  
For use with wire mesh

# 重型货架规划设计

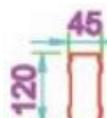
## HEAVY DUTY RACK PLANNING DRAWINGS

重型货架、悬臂架、驶入式架、阁楼货架、模具架、钢结构平台等可免费上门测量规划，根据货物尺寸和重量量身设计定做。

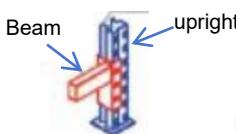
Heavy duty rack, cantilever rack, drive-in rack, mezzanine rack, mold rack, steel structure platforms and so on, are all available for free door-to-door survey planning. Tailor-made design according to cargo size and weight.



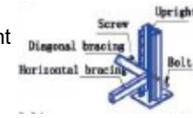
upright



Beam



Beam and upright connection



Bracing and upright connection

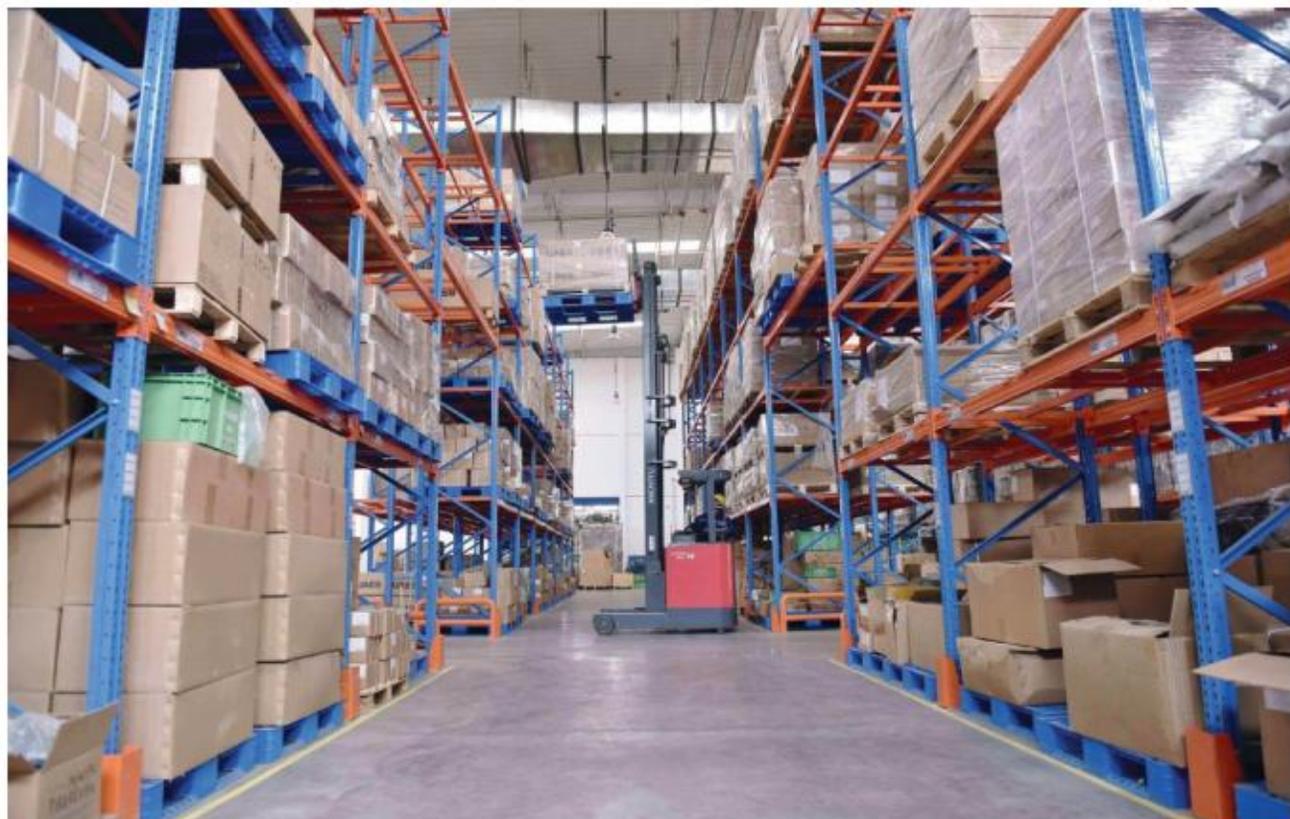
设计	投影视图	名称	重型货架三视图			
检查		编号				
审核	比例	1:200	材料			
工艺	Hui Feng Rack		版本	处数	更改单号	日期
批准			阶段标记	S	C	D
						页次

# 重型货架工程案例

## HEAVY DUTY RACK PROJECT CASES

重型货架被广泛应用于制造业、电商仓储、第三方物流和配送中心等领域,既适用于多品种小批量物品,又适用于少品种大批量物品。

Heavy duty racks are widely used in many manufacturer, E-commerce warehouse, third logistic and distribution center etc. It is suitable for many kinds of small bulk items, but also suitable for a small variety of items.



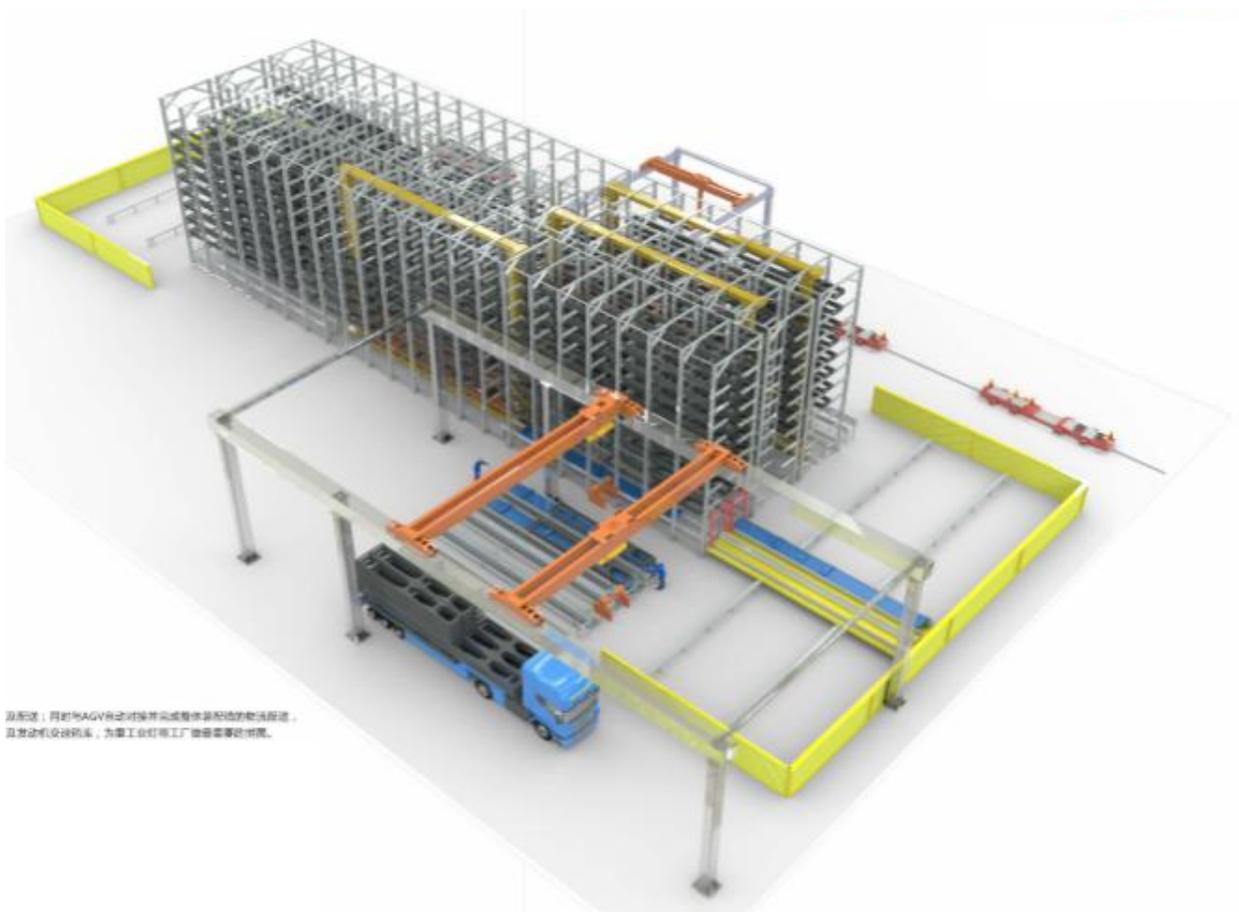


## 汇峰智能物流装备

Huifeng Intelligent Logistics Equipment



为您打造数字化，智能化的灯塔工厂  
Cooperate with you to set up the digital,intelligent lighthouse factory.



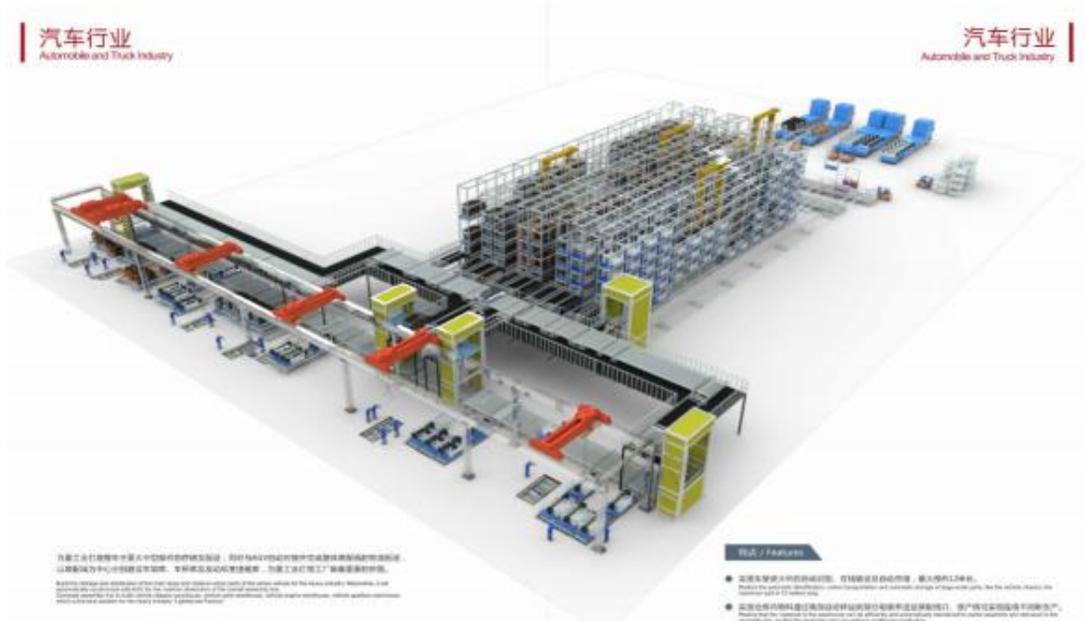
该库区：同时为AGV行走提供精准定位和导航功能，  
且为自动化设备提供精准定位。

# 智能立体库

## Automatic storage & retrieval system

自动化立体仓库(AS/RS)是由立体货架、有轨巷道堆垛机、出入库托盘输送机系统、尺寸检测条码阅读系统、通讯系统、自动控制系  
统、计算机监控系统、计算机管理系统以及其他如电线电缆桥架配电柜、托盘、调节平台、钢结构平台等辅助设备组成的复杂的自动  
化系统。运用一流的集成化物流理念,采用先进的控制、总线、通讯和信息技术,通过以上设备的协调动作进行出入库作业。

Automated warehouse system (AS/RS) consists of three-dimensional shelf, rail roadway stacker, pallet conveyor system, size  
detection for ins and outs of barcode reading system, communication system, automatic control system, computer monitoring  
and control system, computer management systems, and other such AS wire and cable tray distribution cabinets, tray, adjust  
the platform and other auxiliary equipment, steel structure platform composed of complex automationSystem.Using the first-  
class integrated logistics concept, the use of advanced control, bus, communication and information technology, through the  
coordination of the above equipment for warehouse operations.



自动化立体仓库使用的货架通常为横梁式货架、牛腿式货架、流动式货架等,可根据货物单元的外形尺寸、重量及其它相关因素来合理选  
取。其托盘可使用承载能力强、刚性好的钢托盘或塑料托盘。横梁可根据托盘承载大小设计,货架较小时则可取消横梁,将塑料箱置于牛腿  
之上。巷道堆垛起重机穿行于货架之间的巷道中,完成存、取货的工作。

The shelves used in automated stereoscopic warehouse are usually beam shelves, ox legs shelves, mobile shelves, etc.,  
which can be reasonably selected according to the shape size, weight and other related factors of the goods unit.The pallet  
can use steel pallet with strong bearing capacity and good rigidity or plastic pallet.The beam can be designed according to the  
bearing size of the pallet. If the shelf is small, the beam can be removed and the plastic box can be placed on the leg. The  
laneway stacking crane runs through the laneway between the shelves to complete the work of storing and taking goods.

### 产品特点

- 根据货架高度不同,细分为高层立体库(15米以上)、中层立体库(5~15米)及低层立体库(5米以下)等。
- 自动化立体仓库采用先进的自动化物料搬运设备,不仅能使货物在仓库内按需要自动存取,而且可以与仓库以外的生产环节进行有机的连接,自动化管理提高了仓库的管理水平。
- 自动化立体库采用大型仓储货架的拼装,又加上自动化管理技术使得货物便于查找,因此建设自动化立体仓库就比传统仓库的占地面积小,但是空间利用率高。
- According to the different height of the shelves, it is divided into high-rise stereo storehouse (more than 15 meters), middle-level stereo storehouse (5~15 meters) and low-level stereo storehouse (less than 5 meters).
- Automatic warehouse adopts advanced automatic material handling equipment, not only can make the goods in the warehouse according to the need of automatic access, but also can be organically connected with the production link outside the warehouse, automatic management has improved the management level of the warehouse.
- Automated three-dimensional warehouse adopts the assembly of large storage shelves, and the automatic management technology makes the goods easy to find, so the construction of automated three-dimensional warehouse is smaller than the traditional warehouse, but the space utilization rate is large.

# 智能立体库工程案例

Automatic storage & retrieval system application case display

智能立体库应用非常广泛，主要应用于制药、机械、电子、烟草、食品、化工、印刷、军队、航空航天、物流系统、轨道交通等领域。

ASRS is widely used, mainly used in pharmaceutical, machinery, electronics, tobacco, food, chemical, printing, military, aerospace, logistic system, rail transit and other fields.



# 智能回转库

## Automatic vertical carousel storage system

智能回转库是一种垂直方向旋转的立体仓库，是一种自动存取集装箱。利用链传动的机械原理，由电动机和减速器带动齿轮和传动链，从而带动每个料斗实现旋转运动。这种结构使旋转仓库制造非常高或完全。

Vertical carousel is a three-dimensional warehouse which rotates in the vertical direction, and it is an automatic access container. Using the mechanical principle of chain drive, the gears and transmission chains are driven by motors and reducers, thus driving each hopper to achieve rotary motion. This structure enables the rotary storehouse to be manufactured very high or completely.



FEATURE

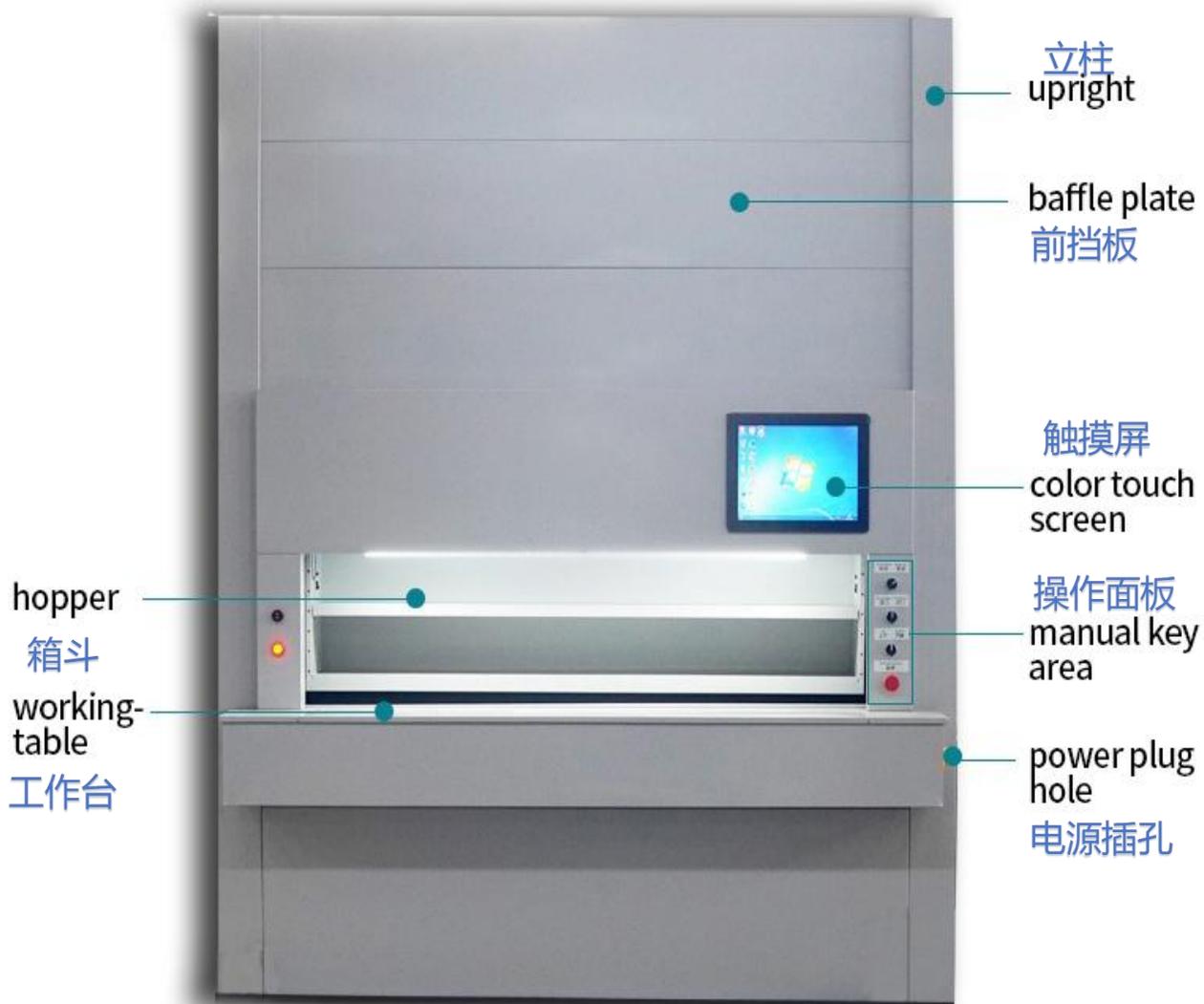
产品特点

- 向上扩展存储空间，利用原有房屋的高度，充分利用储物空间，节省占用面积，增加储物面积。
- 系统提供单机、自动、多台联机运行方式，存取方便快捷。
- 主要用于存取小而多，品种繁杂以及规格统一，防尘防潮等物件如档案，特殊文件等重要资料。
- 配备功能强大的计算机管理系统软件和计算机标准接口，与企业ERP、MES等系统实现无缝对接。
- Expand upward storage space, utilizing the height of the original house, making full use of the storage space, saving the area occupied and increasing the storage area;
- System provide the single machine、automatic and multi-machines operation mode, convenient and fast to store and withdraw the goods.
- Mainly used for accessing small but many, complex varieties and unified specifications, dust and moisture-proof and other objects such as files, special documents and other important references.
- Equipped with powerful computer management system software and computer standard interface with ERP and MES system smoothly.

# 智能回转库主要组成

Main component of Automatic vertical carousel storage system

## component and related parameters



### 电脑软件管理

智能控制面板  
一键精准操作



# 智能回转库工程案例

Automatic vertical carousel storage system project case



# 智能升降库

## Automatic Lift storage system

充分利用向上空间-高度，节省存储地面空间，通过仓库管理和控制系统可以单机操作，也可多机联动，存储和取放物品都是通过电脑操作，无需人力查找和搬运，工作高效且节省人工成本，降低人员事故风险，货物集中管理，提升企业竞争力。 Make full use of the upward space - height, save storage ground space, through the warehouse management and control system can be single operation, but also multi-machine linkage, storage and taking and placing items are operated by computer, no need to find and handle by manpower, work efficiently and save labor costs, reduce the risk of personnel accidents, centralized management of goods, improve enterprise competitiveness.



### 单机模式--Single machine mode

注：托盘数量可以定制，根据客户存储货物高度计算得出，在技术方案中注明，不在型号中体现。

Note: The number of trays can be customized according to the height calculation of customer's stored material, it will be indicated in the technical proposal not in the model.

型号/Model	托盘净尺寸/Tray Dimension			货柜外形尺寸/External Dimension			托盘/Tray		备注/Note
	长/L(mm)	深/D(mm)	高/h(mm)	长/L(mm)	深/D(mm)	高/H(mm)	承重/Payload(kg)	个数/Qty	
VSL-S1250×635-3000A	1250	635	50	1700	2500	3000-15000 整米数 (integer meter) +50	A:300, B:500, C:750 .....	根据客户需要 定制数量/ Customized QTY according to requirement	S:单机版, M:联动版 S:Stand-alone, M:Multiple-link  S:Single machine mode M: multiple-link
VSL-M1250×635-3000A	1250	635	50	1700	2500				
VSL-S1840×788-5000A	1840	788	50	2290	2990				
VSL-M1840×788-5000A	1840	788	50	2290	2990				
VSL-S2550×880-5000A	2550	880	50	3250	3500				
VSL-M2550×880-5000A	2550	880	50	3250	3500				

# 智能升降库

Automatic Lift storage system



多机联动--Multiple-link

# 智能升降库工程案例

Automatic lift storage system project case



# 抽屉式模具货架(半开型)

## Drawer type mold rack (semi-open)

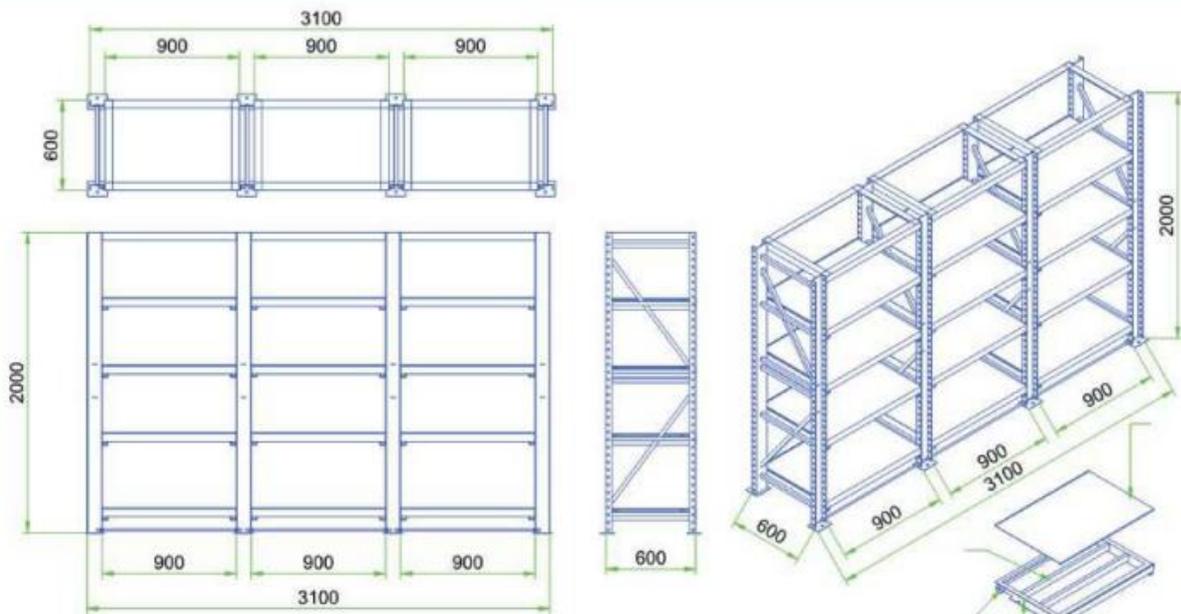
模具货架主要是用来存放各种塑胶模具、五金模具、压铸模具的货架，根据承载能力要求分为标准模具架和全开式模具架；模具货架顶部可配置移动天车和手动葫芦，以方便模具的起吊。

The mold rack is mainly used to store various plastic molds, hardware molds, and die-casting molds. According to the load capacity requirements, it is divided into standard mold racks and full-open mold racks. The top of the mold rack can be equipped with a crane and hoist to facilitate the lifting of the mold.

FEATURE

产品特点

- 组装式结构，结构牢固且装卸简便，便于运输；
- 抽屉板可拉出 65%，方便模具的存取；
- 立柱采用 10# 槽钢，滑槽为 4mm 铁板折弯而成，轴承组合，滑动平稳；
- 标准规格为：长 3100\* 宽 600 高 2000mm 三格四层。
- It adopts an assembled structure, which is firm and easy to load and unload, which is convenient for transportation;
- The drawer board can be pulled out by 65%, which is convenient for access to the mold;
- The upright is made of 10# channel steel, the sliding groove is bent from 4mm iron plate, and the bearing is combined to ensure smooth sliding.
- Standard size:L3100\*D600\*H2000, three grids and four layers.



### Double-sides open mold rack

double sides open , storage and withdraw at two sides, more convenient and fast.

YUGE MOLD RACK

COLD ROLLED STEEL + ENVIRONMENTAL PROTECT PAINT  
LOADING 500KG EACH LAYER



# 抽屉式模具货架(半开型)

Drawer type mold rack (semi-open)

Semi-open

3 column 4 layer drawer mold rack

半开三节四层

L3050\*D600\*H2000mm

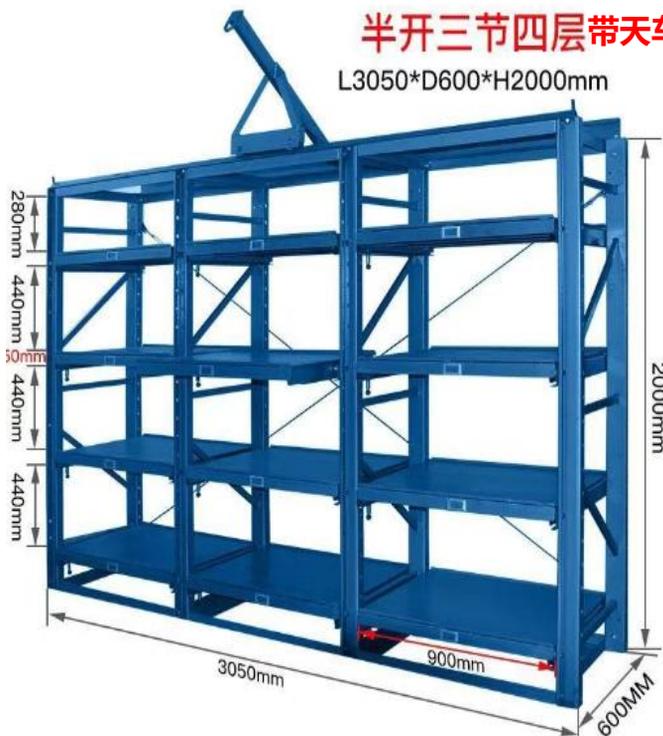


Semi-open

3 column 4 layer drawer mold rack (with crown block)

半开三节四层带天车

L3050\*D600\*H2000mm



## Double-Sides Open

upright upgrade and thicken,  
loading 500kg each drawer.

# 双开式

立柱升级加厚加大, 单抽承重500KG



# 抽屉式模具货架(全开型)

## Drawer type mold rack (full-open)

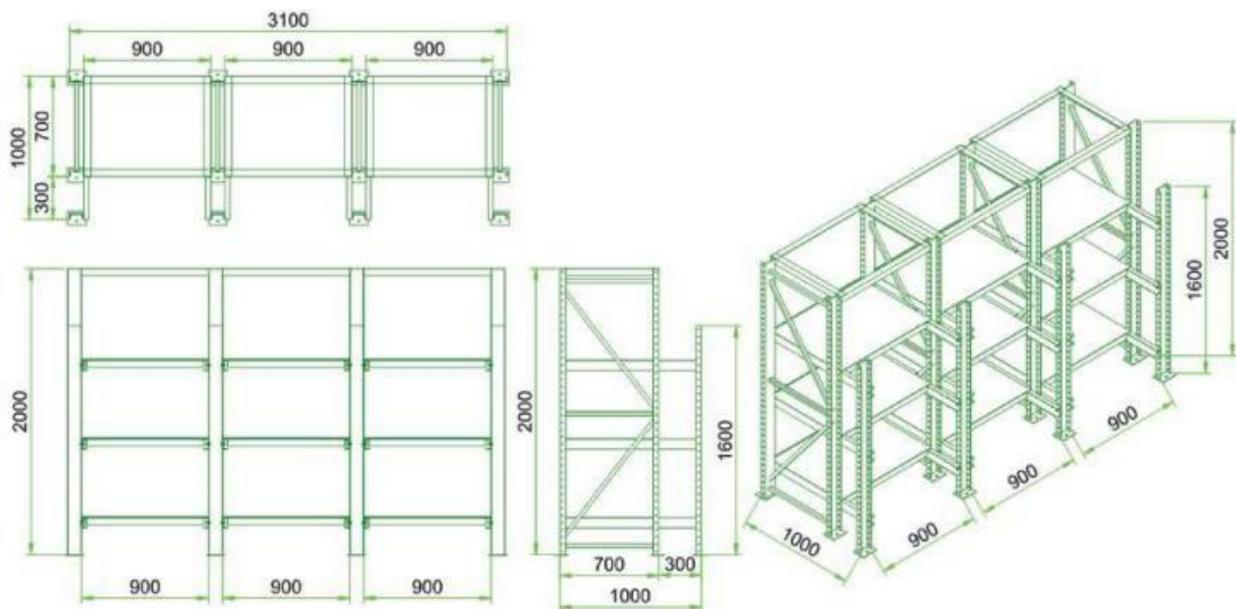
全开式模具架也称作三立柱模具架，抽屉面板可拉出 95%；货架顶部可配备移动天车和手动葫芦，方便模具的起吊。全开式模具架相比于标准模具架更加安全稳固，单面板承载力更强，一般适用于 1-3 吨重的各类模具的存放。

The full-open mold rack is also called the three-upright mold rack, and the drawer board can be pulled out by 95%. The top of the rack can be equipped with a crane and a hoist to facilitate the lifting of the mold. The full-open mold rack is safer and more stable than the standard mold rack, and the single-board has stronger loading capacity. It is generally suitable for storage of various molds weighing 1-3 tons.

FEATURE

产品特点

- 采用三立柱设计，可存放大型重型模具；
- 抽屉板可拉出 95%，方便模具的存取；
- 立柱采用 10# 槽钢，滑槽为 6mm 铁板折弯而成，2 轴承或多轴承设计，易推拉，不费力；
- 标准规格为：长 3100\* 宽 1000 高 2000mm 三格四层。
- It uses a three-upright design, which can store large and heavy molds;
- The drawer board can be pulled out by 95%, which is convenient for access to the mold;
- The upright is made of 10# channel steel, the sliding groove is bent from 4mm iron plate, and the bearing is combined to ensure smooth sliding;
- Standard size: L3100\*D600\*H2000, three grids and four layers.



# 抽屉式模具货架(全开型)

Drawer type mold rack (full-open)

## Full-open

3 column 4 layer drawer mold rack (with closure)

全开三节四层带封顶

L3050\*D600+300\*H2000/1660mm



## Full-open

3 column 4 layer drawer mold rack (with crown block)

全开三节四层带天车

L3050\*D600+300\*H2000/1660mm

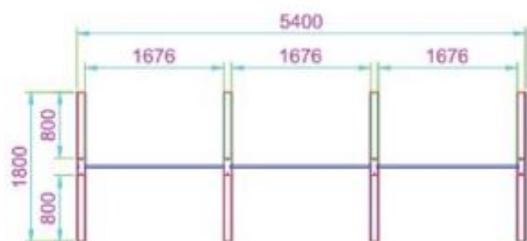


# 悬臂式货架

## CANTILEVER RACK

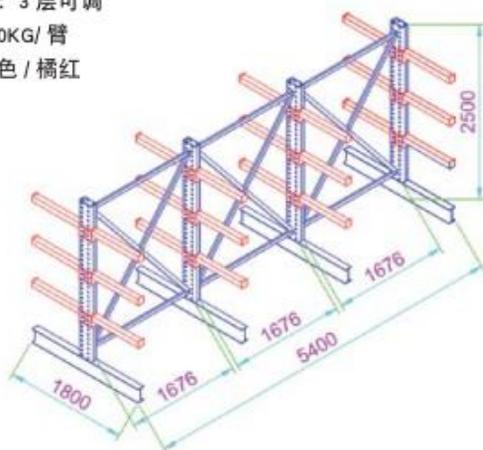
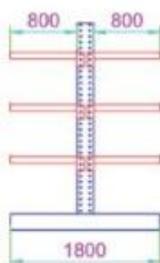
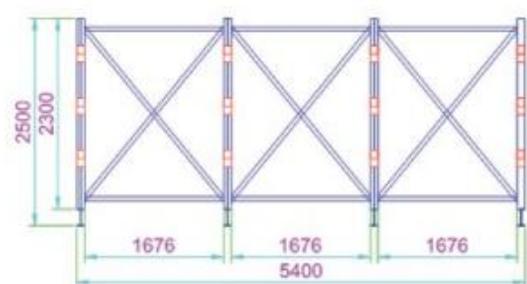
悬臂式货架是由底座、立柱、悬臂和拉杆连接而成，悬臂与立柱间采用插接式或螺栓连接式，底座与立柱间采用螺栓连接式；悬臂可以是单面或双面，悬臂式货架具有结构稳定，载重能力好、空间利用率高等特点。

The cantilever rack is connected by the base, the upright, the arm and the row spacer. The arm and the upright are plugged in or bolted, and the base and the upright are bolted; the arm can be single-sided or double-sided, cantilever rack has the advantages of stable structure, high loading capacity and space utilization.



双面悬臂式货架技术说明:

- 1.规格: W5400\*D1800\*H2500mm
- 2.层数: 4层 (3层悬臂+底座层)
- 3.层高调节: 3层可调
- 4.承重: 500KG/臂
- 5.颜色: 蓝色/橘红



### 产品特点

- 悬臂式货架一般适用于管材、卷材、长条形板材或不规则货物的存放；
- 悬臂式货架立柱多采用 H 型钢或者冷轧钢，悬臂采用方管、冷轧型钢或 H 型钢，单臂承重力强；
- 货架高度通常在 2.5 米以内，如由叉车存取则可高达 6 米，悬臂长度在 1.5 米以内；
- 可与阁楼平台结合做成悬臂平台，运用灵活广泛。
- Cantilever rack is generally suitable for storage of pipes, coils, long strips or irregular goods;
- The upright of the cantilever rack is mostly made of H steel or cold-rolled steel, and the arm is made of square tube, cold-rolled steel or H steel, and the arm has a strong bearing capacity;
- The height of the rack is usually within 2.5 meters, if it is accessed by a forklift, it can be as high as 6 meters, and the arm length is within 1.5 meters;
- It can be combined with mezzanine floor to form a cantilever mezzanine floor, which is flexible and widely used.



# 悬臂式货架工程案例

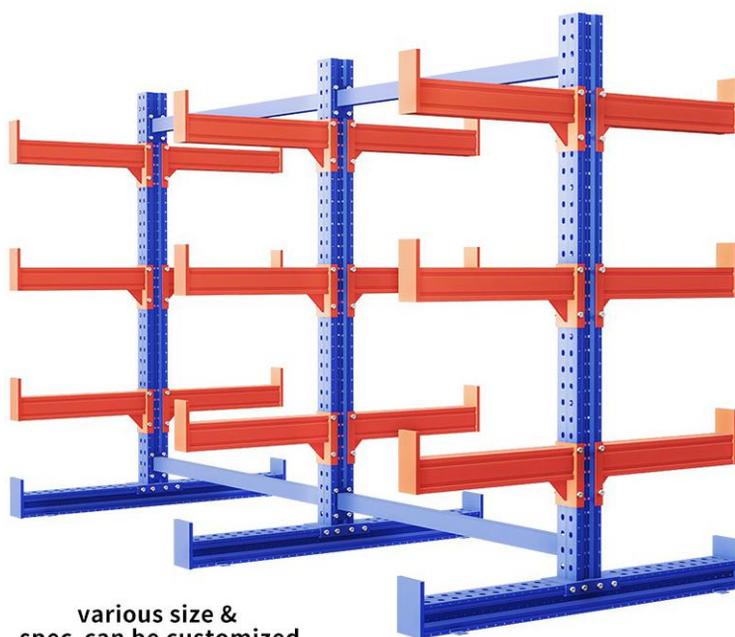
## CANTILEVER RACK PROJECT CASES

对于存放笨重、零散或其它特殊的产品，悬臂式货架是理想的解决方案。悬臂式货架有单臂和双臂之分，高效存储木料、管材、长条物等类似产品。悬臂式货架是在传统式货架支柱上装设外悬臂而成，是一种长形货物专用的货架。。

For storage of bulky, scattered or other special products, cantilever racks are the ideal solution. Cantilever racks are divided into single sided and double sided, efficiently storing wood, pipes, long objects and similar products. The cantilever rack is made by installing arm on the traditional rack upright. It is a special rack for long goods.



**Strong loading capacity 500kg~5T**



various size &  
spec can be customized

规格和尺寸可定制



# 次重型货架

## Subheavy-duty rack



为了安全，增加销钉加强立柱与横梁的连接

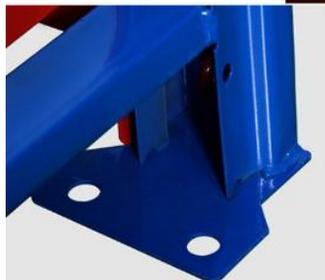
### stainless steel safety pin

To more safe, add a protection, the joint of the beam and upright adopted plug and socketing method, with a special safety pin to enhance the connecting, ensure the beam not drop off when knocked by outside force.



### Thicken base spacer

To more safe, reliable and firmed standing on the ground, we welded the thicken base spacer at the bottom of upright, adopt the expansion anchor bolt to fix the rack onto the ground.



为更加安全，稳固，可靠站立于地面，立柱脚焊接底片，并打孔采用膨胀螺丝与地面连接固定。

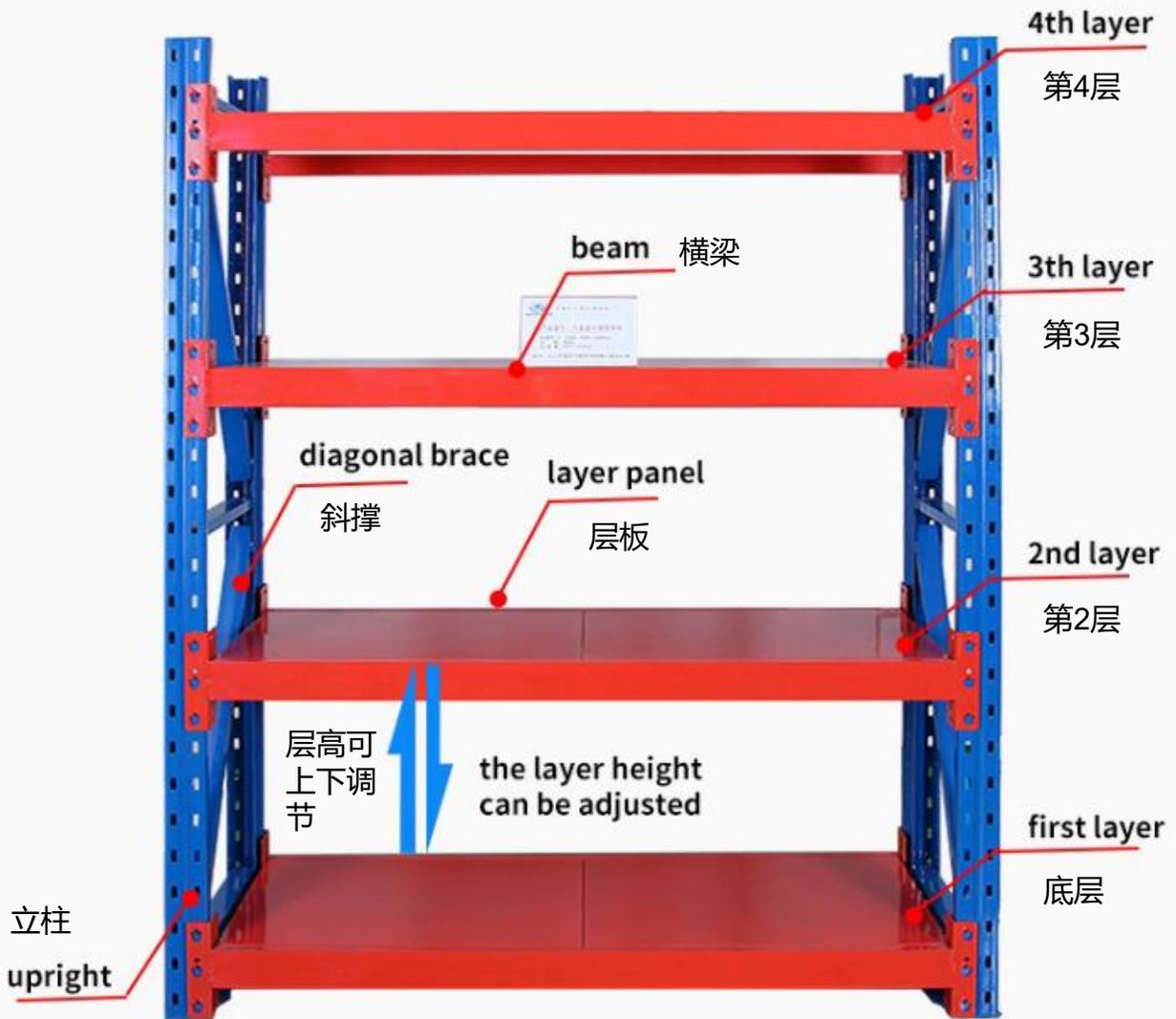
## The details of the components



## The explanation for main frame and subframe



### the structure of subheavy-duty rack



重型，次重型，中型，轻型货架划分主要是根据货架的承重不同大致加以名称和概念冠名以示区别，通常，承重在800kg(包括800kg)以上都叫重载（型）货架，立柱的壁厚一般得在2.0mm或以上，因卷料成型为冷拉压延，料厚可能会走公差下限（只有1.8mm左右），横梁采用抱焊梁结构，承重能力更强，料厚要求为1.5mm或以上。而承重500~800kg则称为次重型，300~500kg叫中型，二者有时也有交集，并无明显区分，而200kg以下都称轻型，轻型的立柱冲孔形状为蝴蝶孔，横梁用的截面为“P”，中间加层板结构，横梁与立柱连接（横梁柱爪与立柱蝴蝶孔），靠自重或货物的重量就可固定连接。

Heavy duty, secondary heavy duty, medium, light shelf division is mainly based on the bearing capacity of the shelf to roughly be named and concept title to show the difference, usually, the bearing capacity in 800kg(including 800kg) above are called heavy duty (type) shelves, the wall thickness of the column is generally 2.0mm or above, because the roll molding is cold drawing and rolling. The material thickness may go to the lower limit of tolerance (only about 1.8mm), the beam adopts the welded beam structure, the bearing capacity is stronger, and the material thickness is 1.5mm or above. The bearing capacity of 500~800kg is called the secondary heavy duty, 300~500kg is called medium, the two sometimes have intersection, and there is no obvious distinction, and the following 200kg are called light, light column punching shape is butterfly hole, cross section of the beam is "P", the middle of the laminates structure, the beam is connected with the column (cross beam column claw and column butterfly hole), It can be fixed by its own weight or the weight of the goods.

# 中型货架

## MEDIUM DUTY RACK

中型货架立柱采用与重型货架相同的菱形孔立柱，横梁采用“P”型管材，俗称阶梯梁；层高可以每 50MM 间距上下调节，拆装方便；每层载重可达 200-800KG。

The upright of the medium duty rack adopts the same rhomboid hole upright as that of the heavy duty rack, and the beam adopts "P" type pipe, commonly known as stepped beam. The pitch holes of 50MM can be adjusted up and down, which is convenient for disassembly and assembly. The loading capacity can reach 200-800KG/layer.

### FEATURE

#### 产品特点

- 货架立柱采用一次性辊轧成型，层高可以每 50mm 立柱孔距上下调节。
- 货架横梁采用“P”型梁（又称阶梯梁），结构稳固，承载力强。
- 货架钢层板采用冷轧钢板折弯成型，层板底部加焊四条加强筋，承重更安全。
- 立柱采用高强度螺丝组装，横梁与立柱卡扣式连接，配有安全插销，结构合理，安全可靠。
- The rack upright is formed by one-time roll forming, and the pitch holes of 50MM can be adjusted up and down;
- The beam adopts "P" type beam, which has a stable structure and strong loading capacity;
- The steel plate is formed by bending cold-rolled steel, and the bottom of the plate is welded with four reinforcing ribs, which makes the load-bearing safer;
- The rack upright frame is assembled by screws, beam and upright frame connect by hook with safety pin.

中型货架通常用于中小件、中等重量的货物存储。广泛应用于以人力、手工搬运、存储及挑选作业为主的各种场合的存储与展示等。

Medium duty rack is usually used for storage of small and medium-sized goods. It is widely used in storage and display of various occasions, such as manual handling, storage and selection operations.



# 轻型货架

## LIGHT DUTY RACK

轻型货架立柱采用蝴蝶孔型所以又称为蝴蝶孔货架，单元货架每层载重一般在200-500KG之间，总层载一般不大于2000KG。单元货架跨度通常不大于2.5米，深度不大于1米；层面铺设钢层板，拆卸方便，安装简单。

Light duty rack is also called butterfly duty rack. The load capacity can reach 200-500kg/layer, and the total load is generally not more than 2000KG. The unit rack length is usually not more than 2.5 meters, the depth is not more than 1 meter, and the layer is laid with steel plates, which is convenient for disassembly and simple installation.



### FEATURE

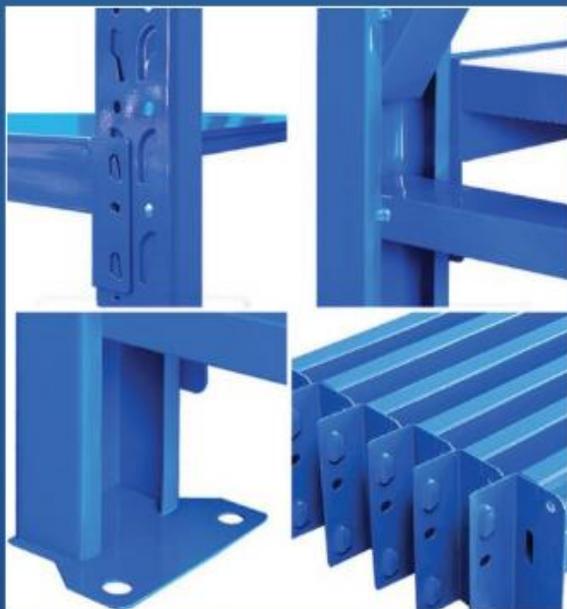
#### 产品特点

- 蝴蝶孔型立柱由横拉、斜拉焊接而成；
- 组装式结构，层高可以每75mm立柱孔距上下调节；
- 采用静电粉末喷涂，安全环保，光滑美观。
- The butterfly hole-shaped upright is welded by horizontal bracing and diagonal bracing;
- Assembled structure: The pitch holes of 75MM can be adjusted up and down;
- Use electrostatic powder coating, safety and environmental protection, smooth and beautiful.

规格(长*宽*高*层数) Size(L*D*H*LAYER)	承重(KG) Loading Capacity
L1200*D600*H2000/4	200KG
L1500*D600*H2000/4	200KG
L2000*D600*H2000/4	200KG
L2000*D600*H2500/4	200KG
L2000*D600*H2000/4	300KG
L2000*D600*H2500/4	300KG
L2000*D600*H2000/4	500KG
L2000*D600*H2500/4	500KG

轻型货架适用于人工堆放，通常用于存放较轻、小体积物品；常应用于电子、服装、医疗、食品、电商仓储、跨境电商配送中心等领域。

Light duty rack is suitable for manual stacking, and are usually used to store lighter and small-volume items; they are often used in electronics, clothing, medical treatment, food, e-commerce warehousing, cross-border e-commerce distribution centers and other fields.



# 轻型货架相关规格尺寸表

Light-duty rack related spec & size list

Purchasing the rack should refer to the self weight of the rack , the rack self weight can decide the quality of the product.

Spec & Size(mm)	main、subframe	main frame self weight(kg)	subframe self weight(kg)	loading(kg)
1500*600*2000 (3 layers)	main frame/subframe	37.8+/-1	30.8+/-1	200/layer
1500*600*2000 (4layers)	main frame/subframe	45.7+/-1	38.7+/-1	200/layer
1500*600*2000 (5 layers)	main frame/subframe	53.6+/-1	46+/-1	200/layer
2000*600*2000 (3 layers)	main frame/subframe	44.8+/-1	37.8+/-1	200/layer
2000*600*2000 (4layers)	main frame/subframe	55+/-1	48+/-1	200/layer
2000*600*2000 (5 layers)	main frame/subframe	65+/-1	58+/-1	200/layer

## Product Parameters

Size:L*W*H(mm)	No. of Layer	Loading (kg/layer)	color	layer board and reinforce rib (Qty)
1500*600*2000	3	200	Blue、 White	2 layers / 2 ribs
1500*600*2000	4	200	Blue、 White	2 layers / 2 ribs
1500*600*2000	5	200	Blue、 White	2 layers / 2 ribs
2000*600*2000	3	200	Blue、 White	2 layers / 2 ribs
2000*600*2000	4	200	Blue、 White	2 layers / 2 ribs
2000*600*2000	5	200	Blue、 White	2 layers / 2 ribs

# 轻型货架场景实例

Light-duty rack project case



# 驶入式货架

## Drive in rack

驶入式货架也称作贯通式货架。驶入式货架可供叉车（或带货叉的无人搬运车）驶入通道存取货物，适用品种少、批量大类型的货物存储。驶入式货架可以达到最大的存储密度，空间有效利用率最多可提高到 90%，场地面积利用率可达 60% 以上。

Drive in rack is also called drive through rack. Drive in racks can be used for forklifts (or unmanned trucks with forklifts) to drive into the channel to store the goods, which is suitable for the storage of goods with small varieties and large batches. Drive in racks can reach the maximum storage density, the effective space utilization rate can be increased to 90%, and the utilization rate of site area can reach more than 60%.



### 产品特点

- 驶入式货架采用托盘式存储，通道占用少存储按深度方向依次存放，存储密集，空间利用率高；
- 存储方式有先进先出、先进后出两种方式，存储灵活；
- 驶入式货架配合平衡重叉车或前移式叉车存储，叉车可驶入货架内部，有效节省空间；
- 为提高叉车存取效率和安全可靠性，驶入式货架深度一般在 5-10 个托盘深度。
- Drive in racks are stored in pallets, which occupy less aisles and are stored sequentially in the depth direction, with dense storage and high space utilization;
- The storage mode has two kinds of FIFO and FILO, and the storage is flexible.
- Racks are stored with balanced forklifts or forward forklifts. Forklifts can be driven into the racks to effectively save space.
- In order to improve the efficiency and safety of the forklift, the depth of the drive-in shelf is generally 5-10 pallets deep.



# 驶入式货架工程案例

## DRIVE IN RACK PROJECT CASES

驶入式货架投资成本相对比较低，适用于横向尺寸较大，品种较少，数量较多，常用来储存大批相同类型货物，由于其存储密度大对地面空间利用率较高，常用于冷库、食品、烟草等存储空间成本较高的仓库。

Drive-in racks have relatively low investment costs. They are suitable for large horizontal sizes, fewer varieties, and larger quantities. They are commonly used to store large quantities of the same type of goods. Because of their high storage density and high utilization of ground space, they are often used in cold storage, warehouses with high cost of storage space such as food and tobacco.



# 四向穿梭库

## Four-way shuttle storage system

穿梭式货架系统是由穿梭式货架、电动自取台车、叉车组成高密度存储系统。穿梭车在托盘下面的轨道上，可以顶着托盘运行，把托盘上的货物存入货位或从货位取出。该货架系统存储密度大，出入库存取方便，货物的存取方式可以先进先出，先进后出，安全且效率高。功能拓展后还可以和自动堆垛系统结合整合集成度更高的全自动存储系统。

The radio shuttle rack system is a high-density storage system composed of shuttle racks, electric self-pickup trolleys, and forklifts. The shuttle is on the track under the pallet and can run against the pallet. The goods on the pallet are stored in or taken out of the cargo space. The storage density of the shelf system is large, and the access to the inventory is convenient. The access mode of the goods can be FIFO, FILO, safe and efficient. After the function is expanded, it can be combined with the automatic stacking system and integrated into a more integrated automatic access system.



载重：800-1500KG 每卡板位，可根据具体要求设计定制。

Load: 800~1500kg each card, can be customized per the client's requirement.

FEATURE

产品特点

- 作业方式灵活，货物的存取方式可以先进先出，也可以先进后出；
- 对照明要求相对低，对比其他类型货架，整体投资更少。
- 安全系数高，减少货架与叉车的碰撞，提高安全生产率；
- 高密度存储，仓库利用率高，工作效率高，大大减少作业等待时间；
- The operation mode is flexible, and the storage and retrieval method of the goods can be FIFO or FILO;
- The requirements for the lighting system are relatively low, and compared with other types of racks, the overall investment is less;
- High safety factor, which reduces the collision between the rack and the forklift and improves the safety and productivity;
- High density storage, high warehouse utilization, high work efficiency, greatly reduce the waiting time;

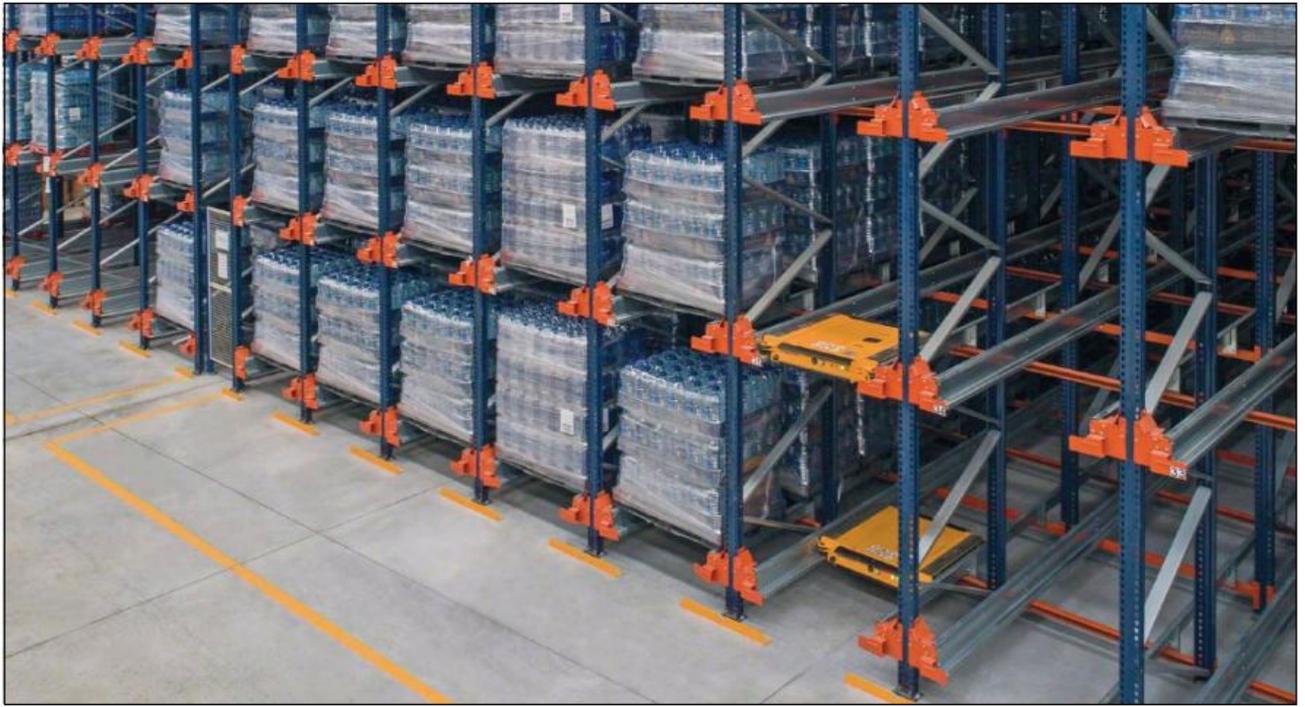


# 四向穿梭库工程案例

## Four-way shuttle storage system project case

穿梭式货架适用于对物品批次有严格要求，需要先进先出作业管理的仓库。冷库作业中可减少低温作业时间，提高工作效率和作业安全性。常用于食品、饮品、化工、烟草等单品种批量大，品项相对单一的行业。

Radio shuttle rack is suitable for warehouses that have strict requirements on batches of goods and require FIFO operation management. Cold storage operations can reduce low temperature operation time, improve work efficiency and work safety. It is often used in industries such as food, beverages, chemicals, tobacco and other industries with large quantities and relatively single items.



# 轮胎架

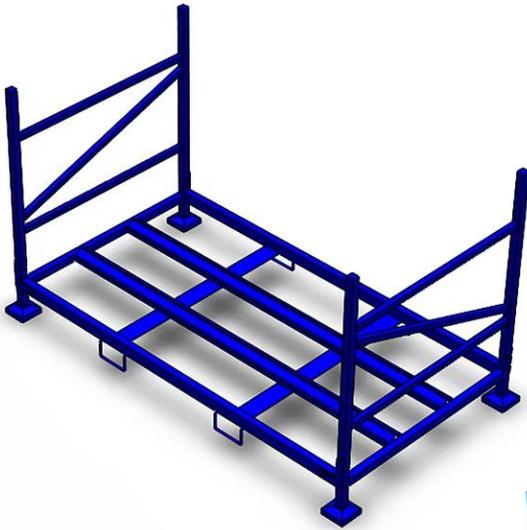
## Tire Storage Rack

轮胎架是堆垛货架的一种，主要用于存放轮胎，有多种样式，常见为可拆卸型，可折叠型及通用货架型，根据客户的需求，可定制样式和尺寸。

Tire rack is a kind of stacking racks, mainly used to store tires, there are a variety of styles, common for detachable, foldable and general rack type, according to customer needs, can be customized style and size.



可拆卸型/detachable tire rack



可折叠型/foldable tire rack



# 轮胎架

## Tire Storage Rack

FEATURE

产品特点

立柱可拆卸，底架采用网格层板铺设焊接，表面采用静电吸附喷粉处理，结构简单，美观而性价比高，根据库房高度和所堆轮胎数量需求可多层层叠使用，方便实用。

The upright can be removed, the bottom frame is laid and welded with grid layer plate, and the surface is treated with electrostatic adsorption powder. The structure is simple, beautiful and cost-effective. According to the height of the warehouse and the number of piled tires, it can be used in multiple layers, which is convenient and practical.



堆垛便利  
stacking convenient

节省空间  
Saving space



Detachable upright

The base frame storage by overlapping, greatly saving the space



Enlarge the support ankle

Easy to install quickly and convenient to steady stack



Reasonable constructure

Product design came from its attributes meet to the requirement of storage

### 立柱可拆卸

底框架堆叠存放，大大节省了空间

Easy to gather  
Convenient using

Quick install Saving the space

Overlapping and stacking together to easy manage when not using

### 加大型支撑脚踝

安装容易，快捷便利，堆垛稳定

收集容易，使用方便，  
安装快捷，节省空间。  
不使用时可堆叠一起，方便管理

### 结构合理

根据存储使用的特点要求设计产品



# 轮胎架工程案例

Tire Storage Rack Project Case



# 阁楼式货架

## MEZZANINE RACK

阁楼货架系统，通常利用中型搁板式货架或重型搁板式货架作为主体支撑加上楼面板（根据货架单元的总负载重量来决定选用何种货架），楼面板通常选用冷轧型钢楼板或花纹钢楼板。

Mezzanine racking systems usually use medium duty racks and heavy duty racks as the main support, plus floorboard (decide which rack to choose according to the total loading capacity of the rack unit), the floorboard usually use cold rolled steel or pattern steel.



FEATURE

产品特点

- 全组装式结构，任意组合、安装拆卸方便灵活，易于运输；
- 楼面铺设专用钢扣板，表面平整，承载力强；
- 可根据实际场地需要，灵活设计成二层或多层阁楼，充分利用空间，节约库房面积；
- 可与叉车、液压升降台、货梯等作业工具配合使用，提高仓库存取、作业周转效率。
- It adopts a fully assembled structure, arbitrary combination, convenient and flexible installation and disassembly, and easy to transport;
- The floor is laid with special steel gussets with smooth surface and strong loading capacity;
- According to actual site needs, two-layer or multi-layer mezzanine floor can be flexibly designed to make full use of space and save warehouse area;
- It can be used with working tools such as forklift truck, hydraulic lifting platform and freight elevator to improve the efficiency of warehouse access and operation turnover.

# 阁楼式货架工程案例

## MEZZANINE RACK PROJECT CASES

阁楼式货架系统是在已有的工作场地或货架上建一个中间阁楼，以增加存储空间，可做二、三层阁楼，宜存取一些轻量及中小件货物，适用于多品种大批量或多品种小批量货物以及人工存取货物。

The mezzanine racking system is to build an middle loft on the existing work site or rack to increase storage space. It can be used as two-layer and three-layer. It is suitable to store some light and medium-small goods , multi-variety large-volume or multi-variety small-batch goods and manual access goods.

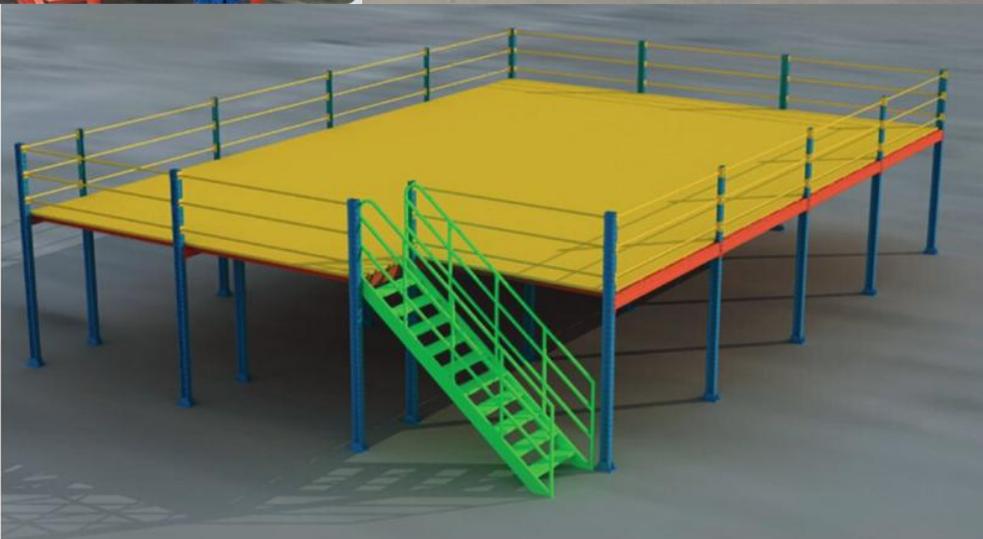


# 阁楼式平台

## Mezzanine Floor

阁楼平台利用合抱立柱和横梁作为主体支撑加上楼面板，楼面板通常选用木板或者冷轧钢扣板等；设置有楼梯和护栏，搭配升降平台使用效率倍增。是广大中小企业增加库容使用面积的不二之选。

The mezzanine floor uses the two-uprights and beams as the main support plus the floorboard. The floorboard is usually made of wood or cold rolled steel gusset. It is equipped with staircases and guardrails, and the use efficiency of the lifting platform is doubled. It is the best choice for the majority of small and medium-sized enterprises to increase the area of storage capacity.



支持客户定制

Support to customize

affordable price , high quality , good reputation, assure to buy

FEATURE

产品特点

- 全组装式结构，任意组合、安装拆卸方便灵活，易于运输；
- 采用合抱式立柱，结构稳定；楼面板铺设专用钢扣板，表面平整，承载力强；
- 可根据实际场地需要，灵活设计成二层或多层阁楼，充分利用空间，节约库房面积；
- 可与叉车、液压升降台、货梯等作业工具配合使用，提高高库存取、作业周转效率。
- It adopts a fully assembled structure, arbitrary combination, convenient and flexible installation and disassembly, and easy to transport;
- The floor is laid with special steel gussets with smooth surface and strong loading capacity;
- According to actual site needs, two-layer or multi-layer mezzanine floor can be flexibly designed to make full use of space and save warehouse area;
- It can be used with working tools such as forklift truck, hydraulic lifting platform and freight elevator to improve the efficiency of warehouse access and operation turnover.

# 钢结构平台

## Steel structure Platform

钢结构夹层亦称工作平台、钢结构平台或钢平台。其结构最大的特点是全组装式结构，设计灵活，可根据不同的现场情况设计并制造符合场地要求、使用功能要求及满足物流要求的钢结构平台。

Steel structure mezzanine floor is also called working platform, steel structure platform or steel platform. The most important feature of its structure is the fully assembled structure, which is flexible in design. It can be designed and manufactured according to different site conditions to meet the site requirements, functional requirements and logistics requirements of steel structure platform.



### 产品特点

- 钢结构平台立柱采用“H”型钢，工字钢做支撑；
- 钢结构平台可载重 500-4000kg/ m<sup>2</sup>；
- 钢结构平台跨度大，最大可达 6 米，上下层空间通畅，用途广泛；
- 货物上下平台可选择叉车、升降平台、货梯等方式。
- The upright of the steel structure platform is supported by H steel;
- The steel structure platform can load 500-4000kg/ m<sup>2</sup>;
- The steel structure platform has a max span of 6 meters, and the upper and lower floors are unobstructed and versatile;
- Forklift truck, lift platform, freight elevator and so on can be selected.



# 钢制托盘

## Steel Pallet

钢制托盘采用优质钢材Q235B通过冷滚制成型，专业焊接，静电喷粉等关键工艺制作而成，具有强度高，承重强，变形小，经久耐用，牢固可靠的优点。

The steel pallet is made of high-quality steel Q235B by cold rolling, professional welding, electrostatic spraying and other key processes, with high strength, strong bearing, small deformation, durable, firm and reliable advantages.



## 钢制托盘工艺流程

### Steel pallet process flow



01 High quality steel strip

02 durable

Raw material: High quality steel-Q235B  
原材料: 优质钢Q235B



Cold rolled forming  
冷滚制成型



professional welding

operating by the skilled members with years of experience, products with beautiful appearance reliable and secure construction.

Professional welding  
专业焊接



surface treatment

Adopt powder spraying and increase the anti-corrosion ability, the color can be adjusted and chosen according to the client's requirement.

Electrostatic powder spraying  
静电吸附喷粉



Packing  
包装



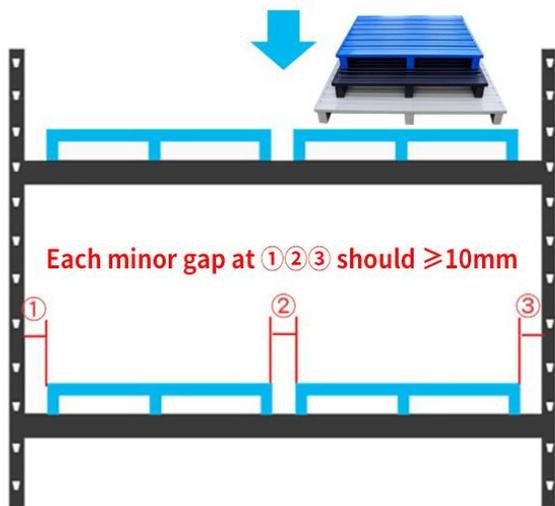
Loading & transporting  
装车 & 运输

# 钢托盘运用和常用规格

Steel Pallet applicable display and common specification

钢托盘放置于货架上

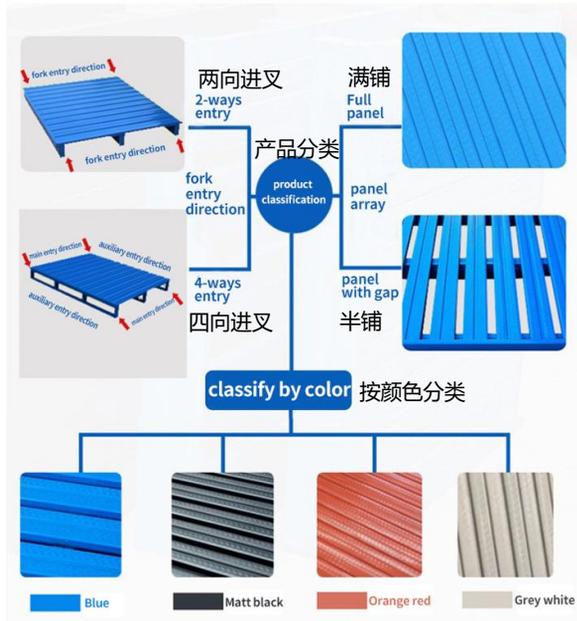
The display of the steel pallet being placed onto the rack



托盘与货架及托盘与托盘之间间隔不小于10毫米。

钢托盘规格

product classification



颜色：蓝色 磨砂黑 橙红色 灰白色

## 钢托盘常用规格

### Steel pallet common spec

规格	尺寸	进叉方向	面板铺设方式	面板数	规格	尺寸	进叉方向	面板铺设方式	面板数
spec	Size (L*W*H)mm	entry direction	panel spread pattern	Panel Qty(pcs)	spec	Size (L*W*H)mm	entry direction	panel spread pattern	panel Qty(pcs)
2-way entry 两向进叉	800*800*125	800	panel with gap	6	4-way entry 四向进叉	800*800*125	800	panel with gap	6
			full panel	7				full panel	7
	1000*1000*125	1000	panel with gap	7		1000*1000*125	1000	panel with gap	7
			full panel	9				full panel	9
	1000*1200*125	1000	panel with gap	9		1000*1200*125	1000	panel with gap	9
			full panel	11				full panel	11
		1200	panel with gap	7		1200	panel with gap	7	
			full panel	9			full panel	9	
1200*1200*125	1200	panel with gap	9	1200*1200*125	1200	panel with gap	9		
		full panel	11			full panel	11		

remark: above size is the common spec, but customize is available as well, we will design and provide the best solution method to meet your requirement.

备注：上述尺寸为常用规格，其它规格和尺寸可依客户要求定制。

# 钢托盘运用案例

Steel Pallet applicable case

货架上&地面堆垛存储货物

## Loading onto the storage rack

show as the picture, the pallet size can be calculated by the inside width of the rack and minus the gap between the pallets and the rack upright.



承重测试: loading test

# 仓库叉车专用钢托盘

Steel pallet exclusive for forklift



The pallet forklift road is a separate channel to avoid damage to the packaging of the goods when the fork teeth are connected with the goods



托盘叉车通道为单独通道，可避免叉齿插入时碰及和破坏货物的包装。

外形尺寸 Size:L*W*H(mm)	动载 (T)	静载 (T)
	Dynamic load(T)	Static load(T)
1000*1200*80	3	9
1200*1200*80	3	9
1200*1400*80	3	9
1400*1600*80	3	9
1500*1800*80	3	9

注：尺寸，颜色均可定制  
Remark: the size and color can be customized

栅格结构设计改善了防滑效果，同时增加面板的承载能力，结构紧凑，自身重量轻，而承载能力强的特点。

The design of corrugated panel is conducive to improve the anti-skid effect and increase the load capacity of the panel but keep the weight light.

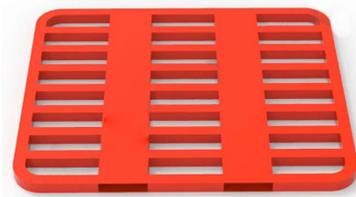
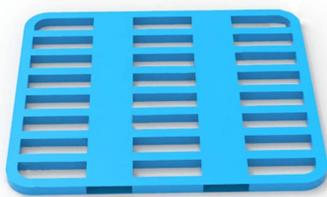


① forklift way ② outer frame ③ beam

①. 叉车叉道 ②. 外边框 ③. 筋梁

# 叉车专用圆角钢托盘工程案例

Forklift exclusive round corner steel pallet project case



FEATURE

产品特点

- 叉车专用钢托盘
- 结构紧凑，自身重量轻，强度高，承载能力强.
- 主要适用于饲料、豆粕、大米、面粉等软包装专用.
- 承载能力强，可达：动载3T，静载10T.
- forklift exclusive steel pallet
- compact structure, light weight, high strength, strong loading capacity
- mainly suitable for feed, soybean meal, rice, flour and other soft packing.
- Strong loading capacity : dynamic load -3T, static load-10T.



# 双面圆角镀锌铁托盘

Round corner double face Zinc-plated steel pallet



## ● round corner design, avoid collision

round corner design, can enhance the anti-collision capability of the pallet, meantime, can protect the safety of the operator and goods.



圆角设计，防撞伤，双面结构，正反两面皆可利用。

原材料：镀锌铁

以优质热浸镀锌带钢或卷料，通过热轧或冷轧挤压，冷弯成型，高频焊接，制成方形或矩形管材。

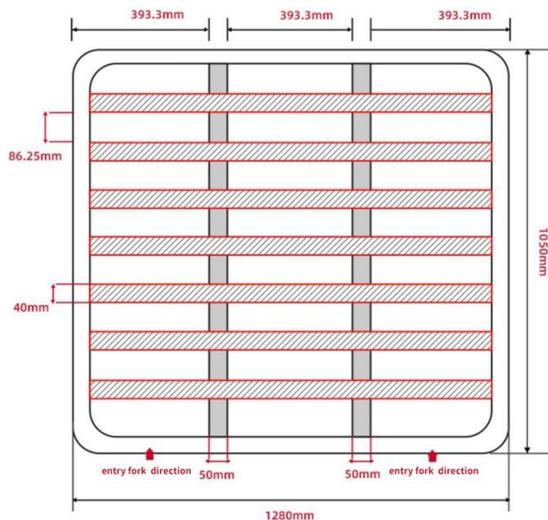
## Raw material: Zinc-plating steel

High quality hot-dip galvanized strip steel or coil steel as raw material, through hot rolling or cold-rolled, cold-bending forming, then high-frequency welding, make to the shaping tube which the section is square or rectangle style.



## Product display

实用场景  
real usage scene



product brand: Yuge  
material: Zinc plated steel  
product name: Zinc plated round corner steel pallet  
applicable for: warehouse storage, logistic etc

Customize or not: available  
Size & Weight: refer to below sheet

Size(mm)	Dynamic load(T)	Static load(T)	Self weight(kg)
1280*1050*140	2	4	36-37

Remark: if need other spec and size, please contact with the customer service

尺寸：1280\*1050\*140mm  
载重：动载2吨，静载4吨，自重36~37公斤  
备注：其它尺寸和规格可定制。



# 塑料托盘-九脚网格托盘

## Plastic Pallet-Nine-foot grid plastic pallet

采用纯新HDPE（高密度聚乙烯）注塑而成，材质轻，强度高，承重强，可防水，防火，防潮，不易破裂，可堆叠，存放不占过多地盘，使用方便，可靠牢固，使用寿命长，为医疗，电子，烟花鞭炮行业以及纺织等轻工业优先选用堆垛，存放，周转，运输所用。

Made of pure new HDPE (high density polyethylene) injection molding, light material, high strength, strong bearing, waterproof, fireproof, moisture-proof, not easy to break, stackable, storage does not take up too much site, easy to use, reliable and firm, long service life, for medical, electronics, fireworks industry and textile and other light industry preferred stacking, storage, turnover, transportation used.

### 全新HDPE

## 九脚网格托盘

全新材料 | 厂家直销 | 品质保证

### New HDPE

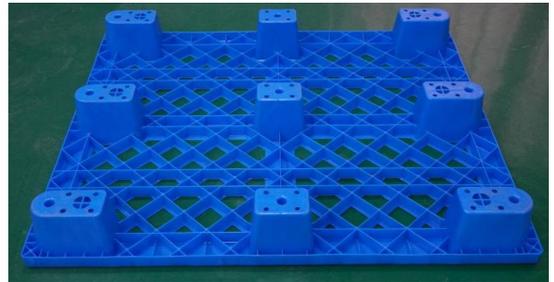
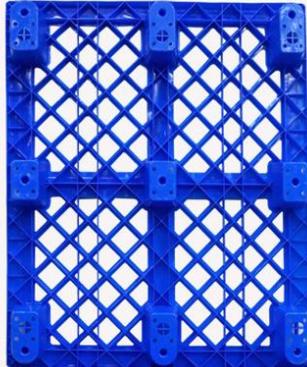
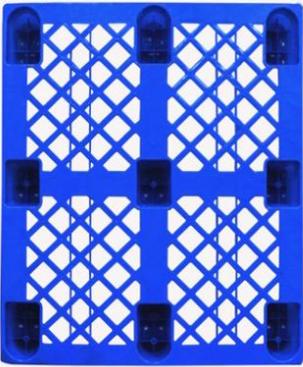
#### Nine-foot grid plastic pallet

- Pure and new raw material
- Factory direct sale
- Quality guarantee



Front view

Back view

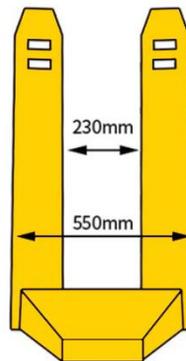


前视图

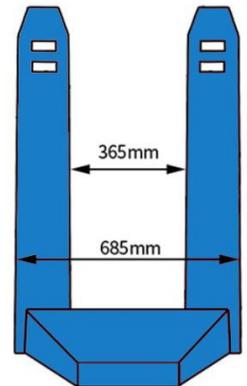
后视图

suitable for pallets with a length  $\geq 90\text{cm}$  in the fork entry direction

Suitable for pallets with a length  $\geq 100\text{cm}$  in the fork entry direction



550 forklift



685 forklift

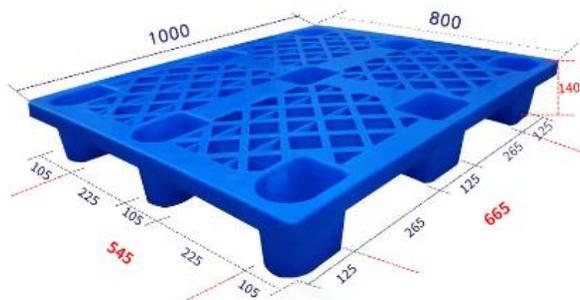


# 塑料托盘-九脚网格托盘常用规格和尺寸

Plastic Pallet-Nine-foot grid plastic pallet common used spec and size

## 规格：1008 九脚网格托盘 9.4 斤

spec: 1008 nine foot grid plastic pallet (4.7kg-self weight)



型号 entry	1008 九脚网格	材质 material	抗冲击高密度 聚乙烯 HDPE
尺寸 size	1000*800*140mm	载重 capacit	静载: 1000KG 动载: 400KG

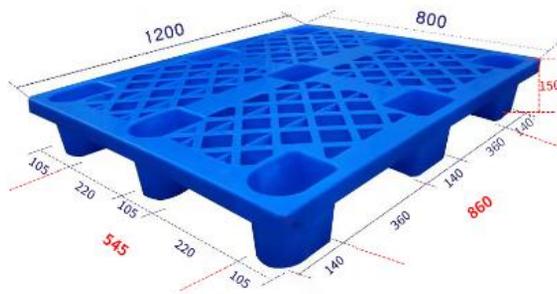
横向1000mm进叉车宽度不超过: 665mm

纵向800mm进叉车宽度不超过: 545mm

the width of the fork along the longitude(1000mm)-forklift entry direction should be less 665mm.  
the width of the fork along the latitude (800mm) -forklift entry direction should be less than 545mm.

## 规格：1208 九脚网格托盘 12 斤

spec: 1208 nine foot grid plastic pallet (6.0kg-self weight)



型号 entry	1208 九脚网格	材质 material	抗冲击高密度 聚乙烯 HDPE
尺寸 size	1200*800*150mm	载重 capacit	静载: 1000KG 动载: 400KG

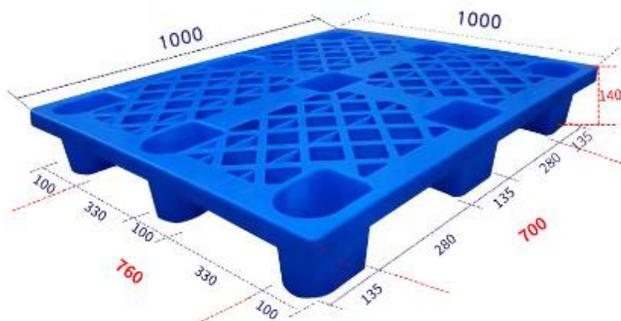
横向1200mm进叉车宽度不超过: 860mm

纵向800mm进叉车宽度不超过: 545mm

the width of the fork along the longitude(1200mm)-forklift entry direction should be less 860mm.  
the width of the fork along the latitude (800mm) -forklift entry direction should be less than 545mm.

## 规格：1010 九脚网格托盘 11 斤

spec: 1010 nine foot grid plastic pallet (5.5kg-self weight)



型号 entry	1010九脚网格	材质 material	抗冲击高密度 聚乙烯 HDPE
尺寸 size	1000*1000*140mm	载重 capacit	静载: 1000KG 动载: 400KG

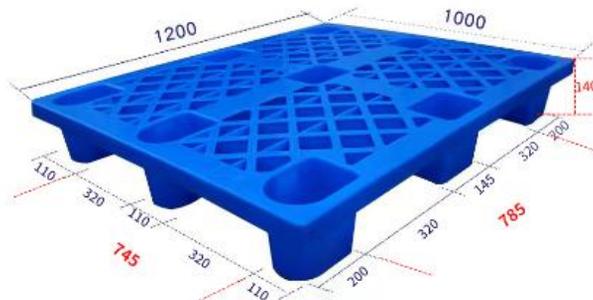
横向1000mm进叉车宽度不超过: 700mm

纵向1000mm进叉车宽度不超过: 760mm

the width of the fork along the longitude(1000mm)-forklift entry direction should be less 700mm.  
the width of the fork along the latitude (1000mm) -forklift entry direction should be less than 760mm.

## 规格：1210 九脚网格托盘 13 斤

spec: 1210 nine foot grid plastic pallet (6.5kg-self weight)



型号 entry	1210 九脚网格	材质 material	抗冲击高密度 聚乙烯 HDPE
尺寸 size	1200*1000*140mm	载重 capacit	静载: 1000KG 动载: 400KG

横向1200mm进叉车宽度不超过: 785mm

纵向1000mm进叉车宽度不超过: 745mm

the width of the fork along the longitude(1200mm)-forklift entry direction should be less 785mm.  
the width of the fork along the latitude (1000mm) -forklift entry direction should be less than 745mm.

注：其它规格和尺寸的九脚网格塑料托盘可定制!

Remark: other spec and size for nine-foot plastic pallet can be customized.

# 塑料托盘-川字网格塑料托盘

Plastic Pallet-3-runners grid plastic pallet

FEATURE

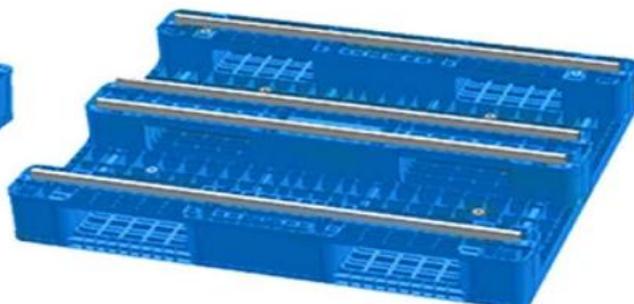
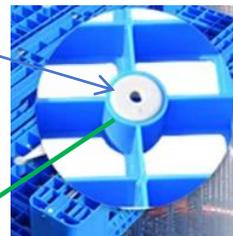
产品特点

采用优质高密度聚乙烯注塑成型，自身重量轻，承载能力强，阻燃，防水，防潮，环保安全，使用寿命长等优点。

Injected by high quality material-HDPE, with below advantages: self light weight, strong bearing capacity, flame retardant, waterproof, moisture-proof, environmental safety, long service life and etc.

配有防滑垫可防止托盘从叉车或货架上滑掉。

anti-slip mats to prevent the pallet to slide off the fork or rack.



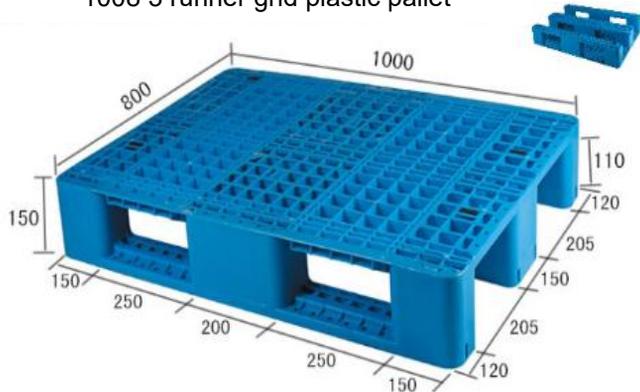
四根钢管加在顶面网格里  
4 steel tubes be inserted into the top deck.

四根钢管加在底面三条跑道里  
4 steel tubes be inserted into the 3 runners at the bottom.

# 塑料托盘-川字网格塑料托盘

Plastic Pallet-3-runner grid plastic pallet

1008 网格川字塑料托盘  
1008 3 runner grid plastic pallet



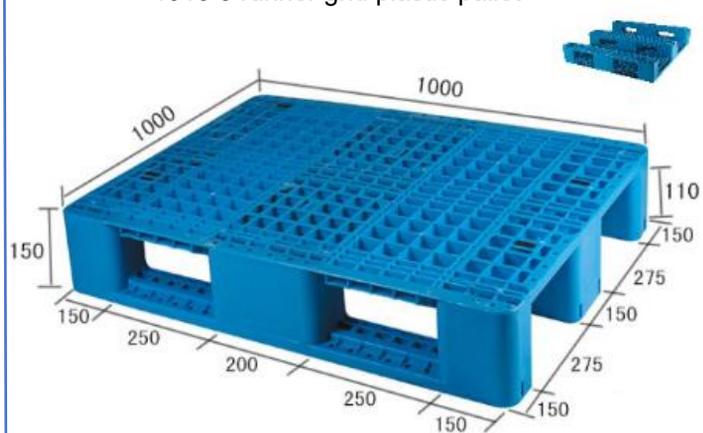
◆可内置钢管 (can insert steel tube to reinforce)

规格尺寸 (size): 1000x800x150mm

载重量 Loading	动载(T) dynamic load	静载(T) static load	货架(T) Rack		
				1	4



1010 网格川字塑料托盘  
1010 3 runner grid plastic pallet



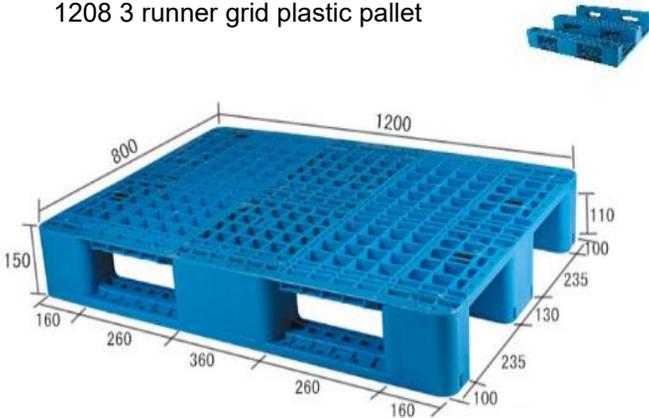
◆可内置钢管 (can insert steel tube to reinforce)

规格尺寸 (size): 1000x1000x150mm

载重量 Loading	动载(T) dynamic load	静载(T) static load	货架(T) Rack		
				1	4



1208 网格川字塑料托盘  
1208 3 runner grid plastic pallet



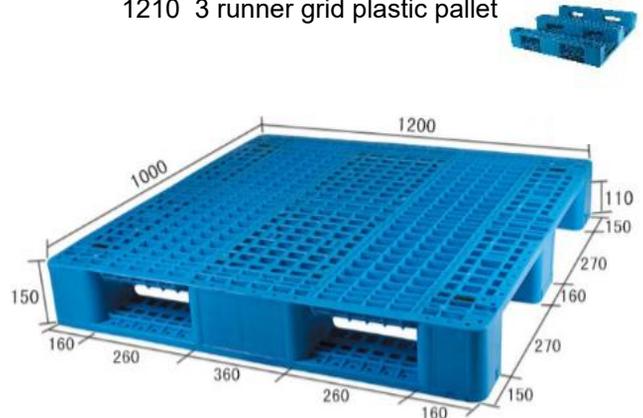
◆可内置钢管 (can insert steel tube to reinforce)

规格尺寸 (size): 1200x800x150mm

载重量 Loading	动载(T) dynamic load	静载(T) static load	货架(T) Rack		
				1	4



1210 网格川字塑料托盘  
1210 3 runner grid plastic pallet



◆可内置钢管 (can insert steel tube to reinforce)

规格尺寸 (size): 1200x1000x150mm

载重量 Loading	动载(T) dynamic load	静载(T) static load	货架(T) Rack		
				1	4



注: 其它规格和尺寸的川字网格塑料托盘可定制!

Remark: other spec and size for 3 runner grid plastic pallet can be customized.

# 塑料托盘-川字网格塑料托盘工程案例

Plastic Pallet-3-runners grid plastic pallet project case



# 塑料托盘-田字网格塑料托盘

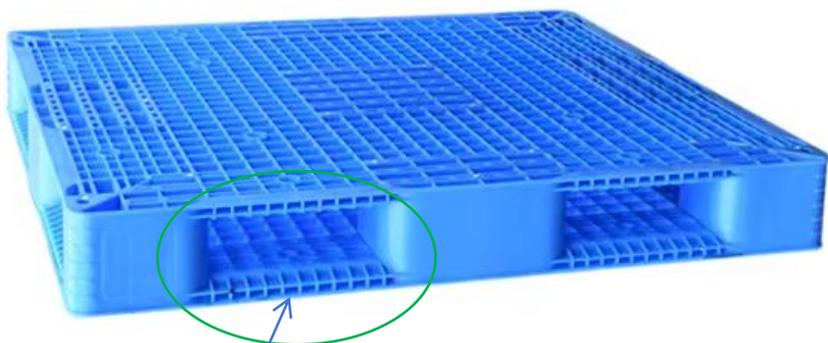
Plastic Pallet-double faced grid plastic pallet

FEATURE

产品特点

除了拥有其它塑料托盘的优点外，田字托盘因为具有双面网格的特点，因而正反皆可用，同时受力面积扩大后堆放更为平稳，承载能力更为强大，可靠。In addition to having the advantages of other plastic pallets, double faced-grid plastic pallets because of the characteristics of double-sided mesh, so both positive and negative can be used, and at the same time, after the expansion of the force area, the stacking is more stable, the carrying capacity is more powerful and reliable.

配有防滑垫可防止托盘从叉车或货架上滑掉。  
anti-slip mats to prevent the pallet to slide off the fork or rack.



在叉车进叉口有起到导向作用的斜度结构，可防止叉脚频繁接触托盘而撞坏托盘。  
The slope structure that plays a guiding role in the fork entrance of the forklift can prevent the foot from frequently touching the pallet and damaging the pallet.



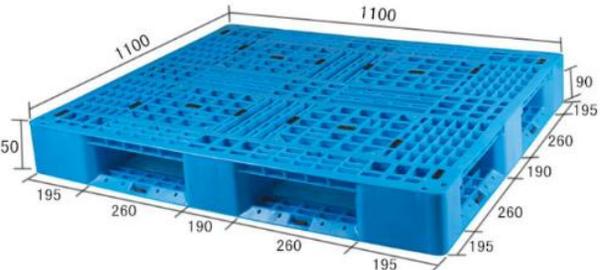
为了承载更加大的重量，我们可以选择增加装入钢管或钢棒起到加强筋的作用，让托盘承载动载2T以上，静载6T以上的重量。  
In order to carry more weight, we can choose to add steel pipes or steel rods to play the role of reinforcing bars, so that the tray can bear the weight of more than 2T dynamic load and more than 6T static load.



# 塑料托盘-田字网格塑料托盘

Plastic Pallet-double faced grid plastic pallet

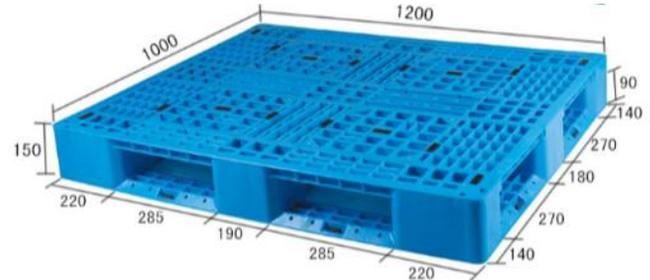
1111 网格田字塑料托盘  
1111 double faced grid plastic pallet



◆可内置钢管 (can insert steel tube to reinforce)

规格尺寸 (size):		1100x1100x150mm		
载重量 Loading	动载(T) dynamic load	静载(T) static load	货架(T) Rack	
				
	1	4	0.5	

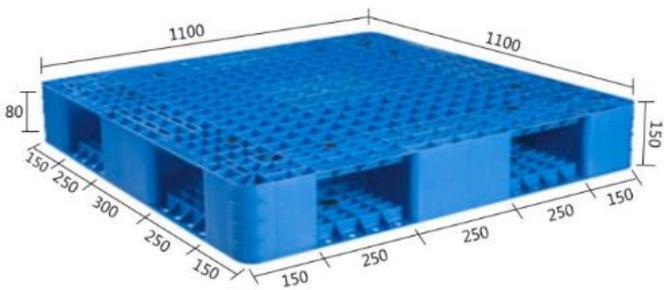
1210 网格田字塑料托盘  
1210 double faced grid plastic pallet



◆可内置钢管 (can insert steel tube to reinforce)

规格尺寸 (size):		1200x1000x150mm		
载重量 Loading	动载(T) dynamic load	静载(T) static load	货架(T) Rack	
				
	1	4	0.5	

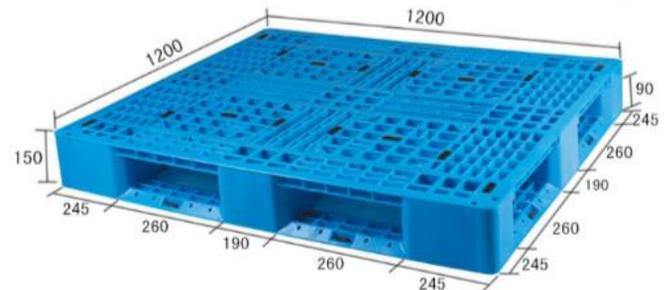
1111 网格田字塑料托盘  
1111 double faced grid plastic pallet



◆可内置钢管 (can insert steel tube to reinforce)

规格尺寸 (size):		1100x1100x150mm		
载重量 Loading	动载(T) dynamic load	静载(T) static load	货架(T) Rack	
				
	1.2	5	0.6	

1212 网格田字塑料托盘  
1212 double faced grid plastic pallet



◆可内置钢管 (can insert steel tube to reinforce)

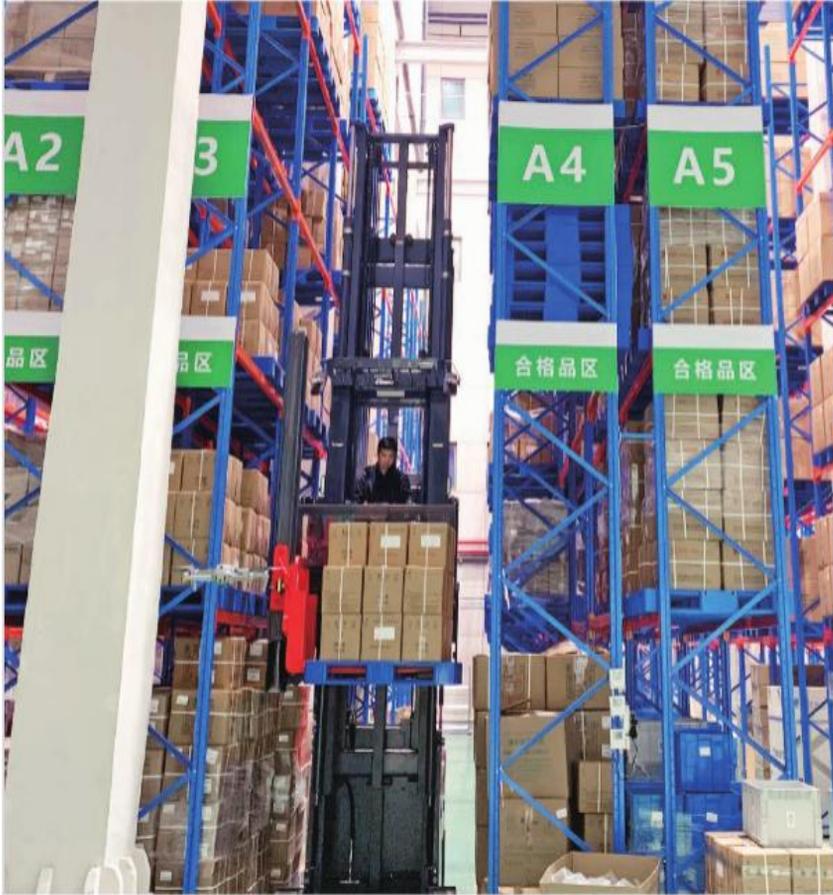
规格尺寸 (size):		1200x1200x150mm		
载重量 Loading	动载(T) dynamic load	静载(T) static load	货架(T) Rack	
				
	1	4	0.5	

注：其它规格和尺寸的田字网格塑料托盘可定制！

Remark: other spec and size for double faced grid plastic pallet can be customized.

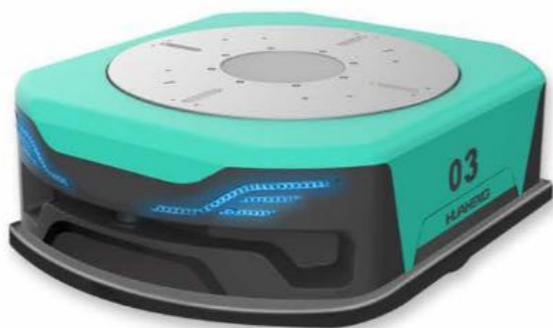
# 塑料托盘-田字网格塑料托盘工程案例

Plastic Pallet-double faced grid plastic pallet project case



AGV 小车标准车型采用双轮差速驱动，可配合不同车载工装适用于各个行业；小车具备自动、半自动、手动操作，安全性能高，具备多重安全防护措施，利用5G技术，可实现标准车型多车可靠同步，满足各种非标应用。

AGV(Automated Guided Vehicle) use of two-wheel differential drive, and compatible with different vehicle-mounted jigs and fixtures for various industries. It can be used with different vehicle-mounted jigs and fixtures to realize object identification and in-position monitoring, walking with high accuracy, the AGV has automatic, semi-automatic and manual operation modes, which is for various different applications, high safety and has multiple safety protection. Introducing 5G technology for multiple standard AGV reliable synchronization to meet various non-standard application.

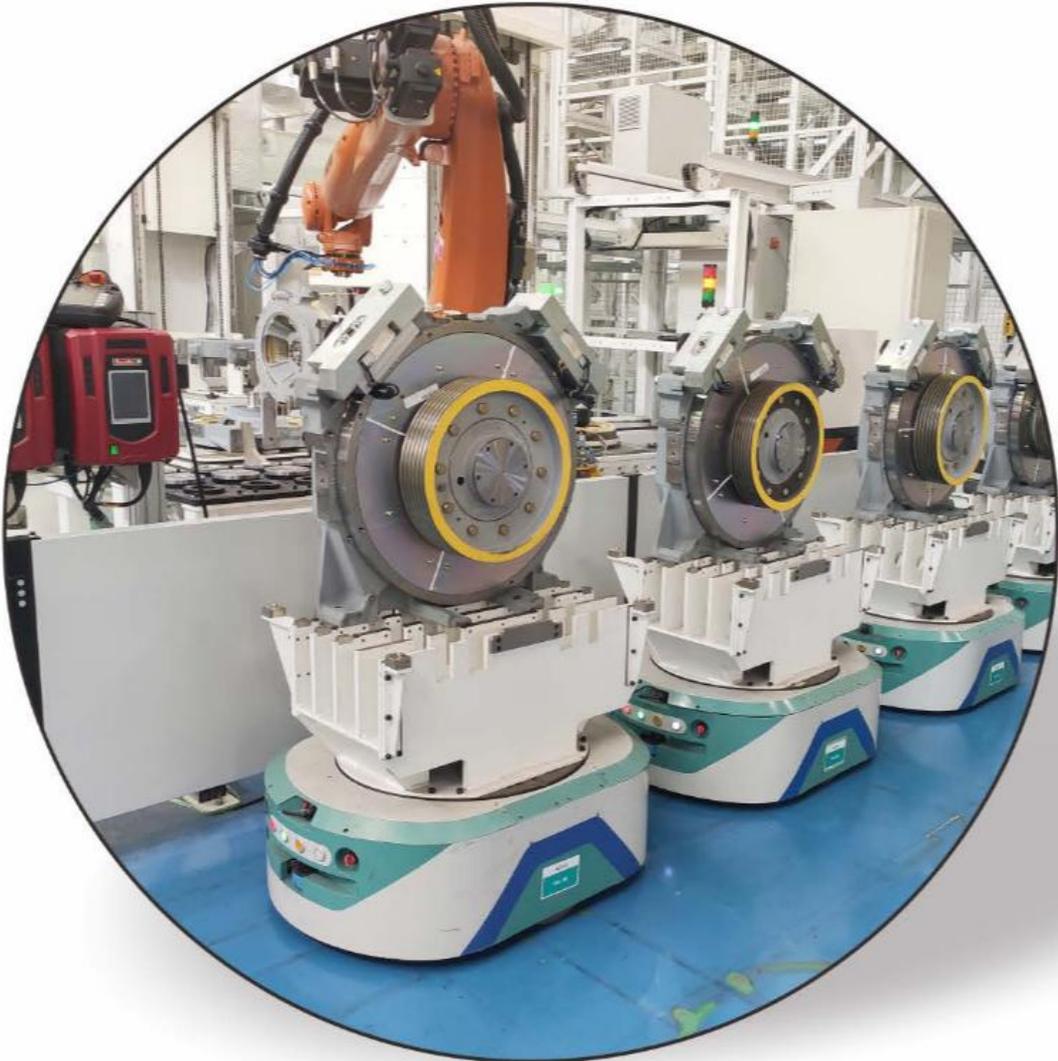


## 技术参数 / Specifications

	项目 Projects	基本参数 Basic Parameter		项目 Projects	基本参数 Basic Parameter
基本参数 Basic Parameter	外形尺寸 Dimension	783*582*300~1000*805*305mm	电池参数 Battery Parameter	电池电压 Voltage	48V
	旋转直径 Rotation Diameter	810-1000mm		工作时间 Working Hours	8h
	自重 Weight	120-260kg		充电时间 Charging Time	1.5h
	有效顶升载荷 Jacking Payload	100-1000kg		电源供电方式 Power Supply Mode	自动/手动充电 Automatic/Manual Charge
	有效牵引载荷 Towing Payload	300-1500kg	安全性能 Safety Performance	数据通讯方式 Communication Mode	Wi-Fi/5G
	顶升高度 Jacking Height	60-100mm		操作模式 Operation Mode	程序控制/人工点动控制 Programmable / Manual Operation
	爬坡能力 Climbing Capacity	< 3°		智能避障 Intelligent Obstacle Avoidance	激光避障 Laser Detection Obstacle Avoidance
	导引方式 Guide Mode	二维码/磁条/激光 QR-Code/Magnetic Strip/Laser		急停按钮 Emergency Stop	前后急停按钮 Front and Back Emergency Stop Button
运行参数 Motion Parameter	移动方式 Drive Mode	双轮差速驱动 Two-wheel Differential Drive	显示 Display	声音交互 Voice Interaction	具备运行提醒功能 Voice Caution in Motion
	行走速度 Motion Speed	0-90可调m/min 0-90mm/min, adjustable			
	行走加速度 Motion Acceleration	0.6m/s <sup>2</sup>	可远程自动断电 Remote Power Cut-off Automatically		
	托盘升降速度 Pallet Jacking Speed	0-25可调mm/s 0-25mm/s, adjustable			
定位精度 Positioning Accuracy	磁条：±10mm、二维码：±5mm Magnetic Strip: ±10mm, QR-Cod: ±5mm				

# AGV 小车工程案例

AGV system project case





### 核心优势 CORE ADVANTAGES

- 操控便捷、简单高效率
  - 经济实用、安全可靠
  - 多点搬运配送
- operate convenient, simple and efficient
  - economical and practical, safety and reliable
  - multipoint handling and distribution



### 产品简介

#### PRODUCT INTRODUCTION

托盘式堆高车AGV是与托盘式堆高叉车功能相近的一款AGV。托盘式堆高车前有底腿，叉齿间距固定，结构简单，其经济性比较好。适用于国标单面托盘的货物装卸转运。

Pallet Stacker AGV is an AGV with similar functions to pallet stacker forklift. The pallet stacker has straddle legs in front, the fork spaced is fixed. It is simple structure, and cost-effective, popularly suitable for cargo loading and unloading and transshipment of standard single-deck pallets.

#### 技术参数 TECHNICAL PARAMETERS

型号		NI-015		
基本参数	额定负载	kg	1500	
	额定载荷中心距	c(mm)	600	
	自重(含电池)	kg	1400	
	轴距	v(mm)	1460	
	货叉长宽厚	l6*e*s(mm)	1170*180*65	
	货叉外档距	b5(mm)	670/570	
	货叉内档距	b4(mm)	310/210	
	叉面最低距地高度	h3(mm)	85	
	货叉最大起升高度	h2(mm)	2500(标配)/3000/3500/4000/4500	
	门架落地高度	h1(mm)	1810(标配)/2060/2310/2560/2860	
	叉车最大高度(导航仪顶部高度)	h1'(mm)	2438-2792	
	总长度(含货叉)	l1(mm)	2158	
	车体宽度	b1(mm)	962	
	最小离地间隙	m2(mm)	28	
	最小转弯半径	Wa(mm)	1734	
运动性能	车轮数量,驱动制/承载制(x=驱动轮)		1x4/2/4	
	驱动轮尺寸	mm	φ230*75	
	承载轮尺寸	mm	φ80*70	
	辅助轮尺寸	mm	φ135*50	
	最小安全距离	a(mm)	200	
	直角堆垛通道宽度(1200*1000总货叉,200间隔)	Ast(mm)	2695	
	直角堆垛通道宽度(1200*1000总货叉,200间隔)	Ast'(mm)	2660	
	充电高度	mm	250	
	驱动形式		舵轮驱动	
	运动方式		前进/后退,弧线转弯,原地旋转	
	额定运行速度(满载/空载)	m/s	1.0/1.2	
	最大爬坡能力(满载/空载)	%	3/5	
	定位精度	mm	±10	
	角度精度	°	±1	
	货叉提升速度(满载/空载)	mm/s	80	
货叉下降速度(满载/空载)	mm/s	80		
提升高度精度	mm	±5		
电池性能	拉绳编码		●	
	油压车端对中		●	
	电子提升防撞		●	
	额定电压	V	24	
	电池容量	Ah	150	
	电池低温加热		○	
	循环充电次数		完全放电1500次	
	额定工况运行时间	h	4-6	
	充电时间(1C,30-95%)	h	1	
	充电方式		即插充电	
	安全防护	前防撞激光检测		●
		前双防撞激光检测		●
		高位防撞检测		○
		取物防撞检测		○
		防撞		○
行车记录仪			○	
防撞缓冲检测			●	
托盘到位检测			●	
叉车光电检测			●	
顶部防撞			○	
左右急停按钮			○	
三轴打点防撞报警			○	
激光slam导航			●	
激光反射器			○	
视觉slam融合导航			○	
10寸显示屏		●		
其他	手柄操作		○	
	触控手柄屏		○	
	移动应用APP		●	
	RFID读码器		○	
	工作噪声	dB	≤75	

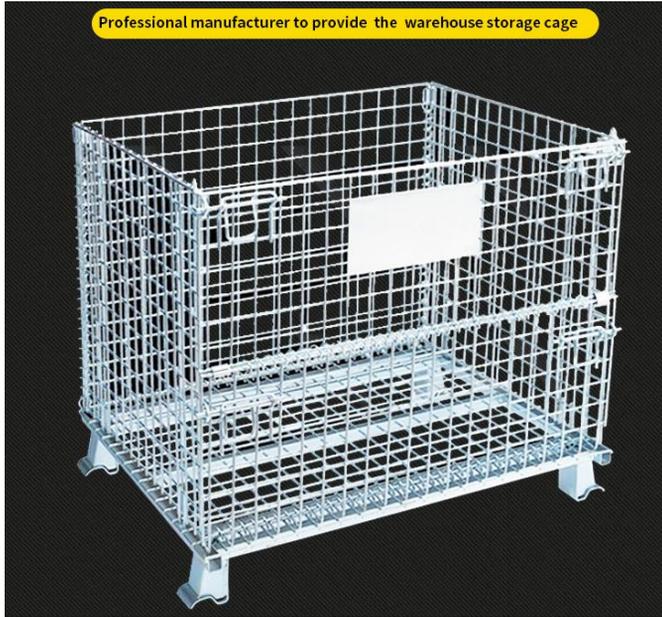


# 仓储笼

## Warehouse storage cage

在企业加工车间工序存放，工序周转，半成品或成品存放都会用到仓储笼，非常实用便利，可以节省空间，同时又能保证场所的整洁和管理。脚部可配小轮，便于周转，四面丝网可拆装，折叠，不用时可快速折叠收合，占用面积小，使用非常方便。

In the enterprise processing workshop process storage, process turnover, semi-finished products or finished products storage will use the storage cage, very practical and convenient, can save space, but also to ensure the cleanliness and management of the place. Feet can be equipped with small wheels, easy turnover, four sides of the wire mesh can be disassembled, folded, when not in use can be quickly folded and closed, occupying a small area, very convenient to use.

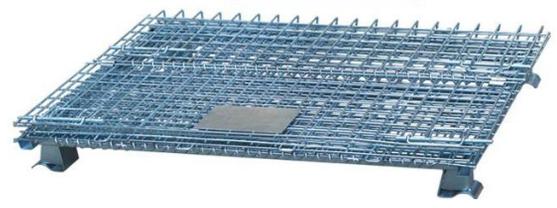


with wheels

with feet



with feet ---foldable



仓储笼折叠收合演示  
Storage cage folding and closing demonstration

# 仓储笼规格参数

Warehouse storage cage common spec and parameters



尺寸: 800\*600\*640mm(长\*宽\*高)    尺寸: 800\*600\*640mm(长\*宽\*高)  
 网格线径: 5.8mm    网格线径: 5.8mm  
 承重: 700kg    承重: 700kg  
 网格大小: 50\*50mm    网格大小: 50\*100mm  
 自重: 28kg    自重: 26kg

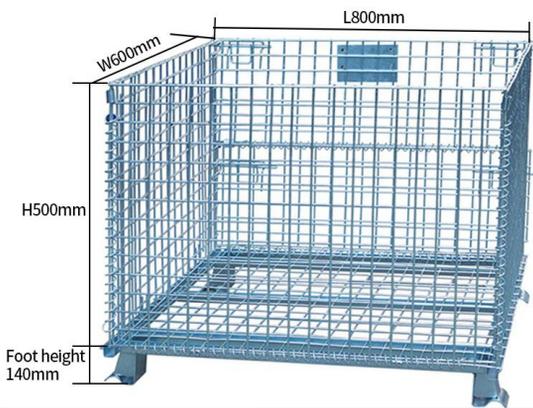
Size: 800*600*640mm(L*W*H) Wire diameter: 5.8mm Grid size: 50*50mm Load: 700kg self weight: 28kg	Size: 800*600*640mm(L*W*H) Wire diameter: 5.8mm Grid size: 50*100mm Load: 500kg self weight: 26kg
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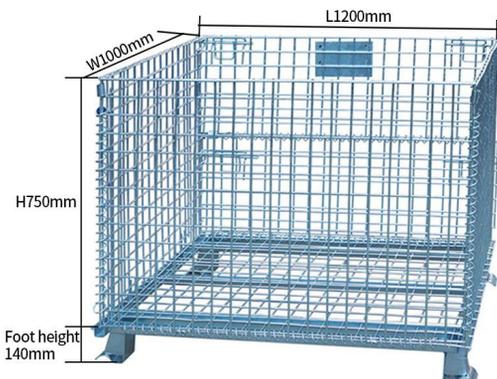
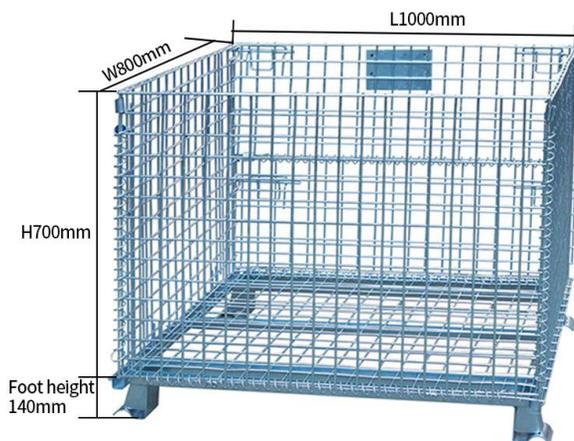
用料强度好, 做工精致, 美观耐用.  
 Good material strength, exquisite workmanship, beautiful and durable.

Size: 1000*800*840mm(L*W*H) Wire diameter: 4.8mm Grid size: 50*50mm/50*100mm/ 100*100mm Load: 600kg/400kg/300kg self weight: 37kg/31kg/28kg
--

Size: 1000*800*840mm(L*W*H) Wire diameter: 5.8mm Grid size: 50*50mm/50*100mm/ 100*100mm Load: 1200kg/800kg/600kg self weight: 44kg/39kg/33kg
---



Size: 1200*1000*890mm(L*W*H) Wire diameter: 4.8mm Grid size: 50*50mm/50*100mm/ 100*100mm Load: 1000kg/800kg/600kg self weight: 46kg/41kg/36kg	Size: 1200*1000*890mm(L*W*H) Wire diameter: 5.8mm Grid size: 50*50mm/50*100mm/ 100*100mm Load: 1500kg/1000kg/1000kg self weight: 59kg/52kg/42kg
--	--



尺寸: 1200\*1000\*890mm(长\*宽\*高)  
 网格线径: 5.8mm  
 承重: 1500/1000/1000kg  
 网格大小: 100\*100mm  
 自重: 59kg/52kg/42kg



## \* 巧固架 (冷库堆垛架)

flexible frame (cold stack shelf)



**产品参数**  
product parameter

品名: 巧固架	承重: 承载1500KG/层
立柱厚度: 50*50mm	工艺: 热镀/冷镀
横梁厚度: 50*50mm	层板厚度: 50*50mm
适用范围: 堆垛冻肉 海鲜 大米 布匹等	

\*注: 加工定制产品仅支持售后, 不支持退换货, 感谢您的理解!\*

support to customize

### Product Parameters

part name :flexible frame  
load:1500kg/layer  
upright:50\*50mm  
Beam: 50\*50mm  
Layer panel:50\*50mm  
Technology: hot dipping  
Zinc or Zinc plating.  
Applicable for:stack cold  
meat,seafood,rice ,cloth  
etc.

## \* 工具箱(支持定制)

Tool case (customize is available)



## \* 工作台(支持定制)

working table (customize is available)





# 生产流程

Production Process

## 优质原材料 (Raw material)

原材料采用 Q235B 冷轧钢，其具有良好的冲压性能、焊接性能和涂装性能。



## 轧机成型 (Rolling)

钢卷材在经过轧机成型后才能变成长短、形态一致的立柱、横梁等半成品。



## 冲孔 (Punching)

冲床主要用于货架立柱上挂孔的冲压，冲床具有稳定的高精度，操作性能可靠、安全。



## (Welding) 自动焊接

公司拥有两套自动焊接设备，自动焊接较人工焊接效率较高，并且无论是点焊还是满焊都能处理得非常完美。

## 打磨 (Polishing)

为了使货架成品表面更加光滑美观，我们通常会进行手工打磨处理，去除货架表面铁锈与杂质。





**(Acid washing) 酸洗**  
利用酸溶液去除货架表面上的氧化皮和锈蚀物，使货架表面洁净光亮，不易失光褪色。

### 烤漆 (Powder coating)

流动烤漆房较于传统的手工喷漆而言，有着效率更高、喷涂更均匀、更节省成本等特点。



**(Packaging) 包装**  
为保护货物避免磕碰，同时方便运输通常采用扎带、纸箱、气泡膜、木箱等包装方式。

### 运输 (Delivery)

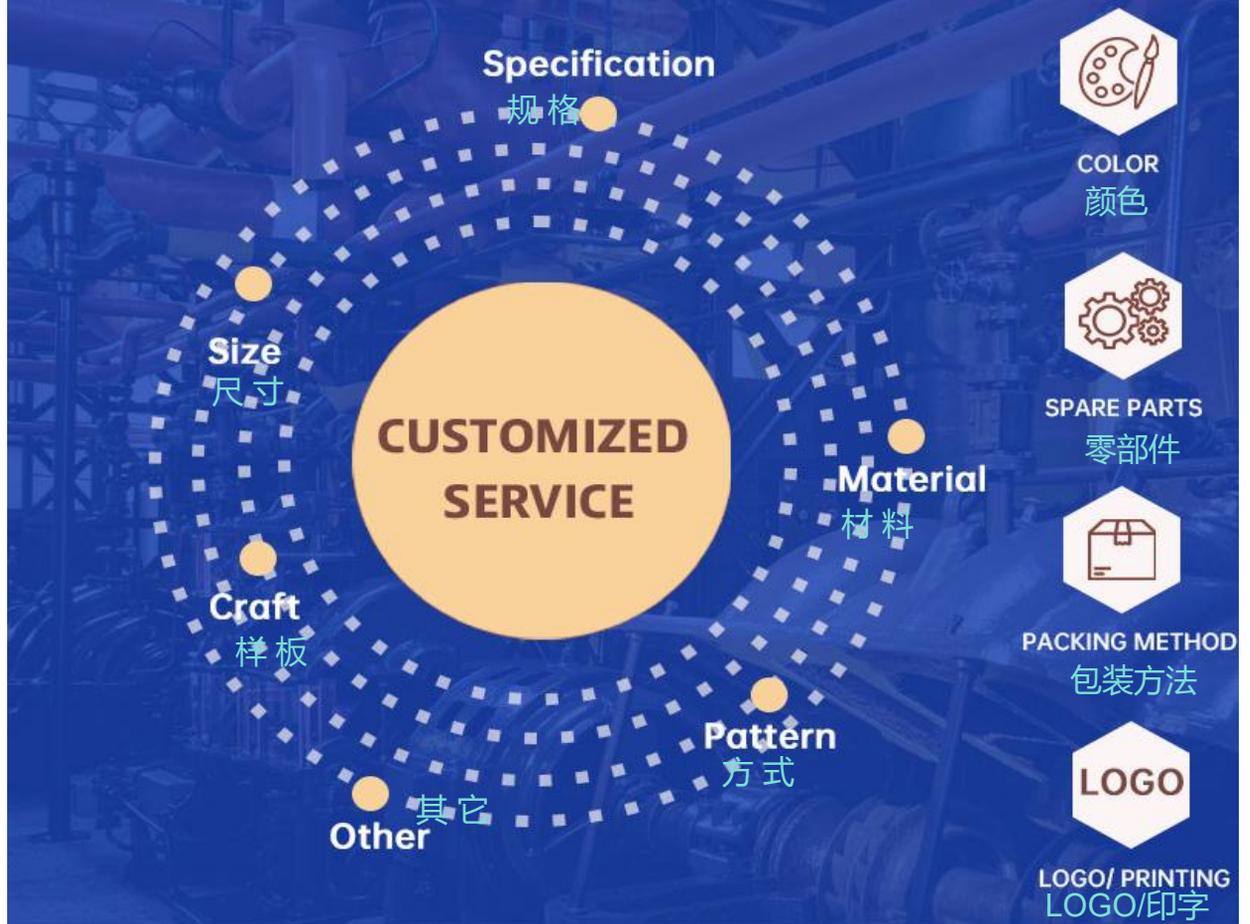
因货架体积较大、重量较重，一般我们会通过专车运送。外贸订单的货物通常采用集装箱海运的运输方式。



**(Installation) 安装**  
公司拥有十余年安装经验的安装团队，可确保货架安装的稳固、整齐、与实用。

# CUSTOMIZED SERVICE

## 客户定制服务



# 合作客户

cooperated customers



部分主要客户（排名不分先后）.....