



自动化物流设备制造商和集成商

Automation Equipment Manufacturing and Integrator



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关于我们

About US

南京华德仓储设备制造有限公司成立于1993年3月，是中国货架和制造行业的领先企业，为国内最早集货架物流系统、立体仓库设备生产和安装为一体的专业制造企业。为更好的服务于客户，集团成立南京华鑫德自动化有限公司，专注于自动化仓库的规划设计、国际出口、控制软件、项目实施、售后服务等。

如今，我们拥有强大的研发团队、专业化生产基地。在2009年12月，一个占地100亩的新工厂于南京江宁科学园拔地而起。它标志着华德公司进入了一个新的发展阶段。新厂房总建筑面积约50000m²，配套5个专业生产车间，主要生产设备200余台套，年生产能力50000吨。

近年来积极提升产品及技术与国际接轨，和日本及欧洲战略合作伙伴致力于技术革新，并在产品优化及自动化领域获得卓越成果，受到国内外客户的青睐。

2012年设计建造了中国首套全自动密集存储子母车仓库。作为密集存储自动化先锋企业，致力于为各行各业提供最优化的自动化仓储解决方案，拓展有限空间、实现无限自动。

销售网络遍及全球，为各地的用户提供全方位的便捷服务。

Nanjing HUADE Storage Equipment Manufacturing Co., Ltd was established in March, 1993. We are pioneered in rack manufacturing industry, and are one of the earliest professional manufacturer specializing in logistics storage systems, including warehouse planning, design, manufacturing and installing. In order to better service our customer, HUADEAX is established for consultation, design, implementation, and after sales service for automation projects in our Group.

In December 2009, a new factory with 66,000 square meters was built in Nanjing Jiangning Science Park. It indicates that HUADE has entered into a new stage of development. There are 5 professional manufacturing plants, more than 200 sets of equipment's in the new factory. Annual production capacity is around 50,000 tons.

In 2012, HUADE designed and manufactured the first fully automated mother and baby shuttle system in China. As a pioneer of high-density storage automation, we concentrate on providing the optimal proposals on automated storage systems, realizing limited space expansion by unlimited storage automation.

We aim to offer a full range of services to the customers by our sales network all over the world.

我们的能力

Our Capabilities

研发能力

我们拥有强大的专业设计研发团队，研发人员50余人。可以即时根据各行各业的物流方案特点，在力学理论和钢结构技术的基础上，为客户量身定做各种轻、中、重型货架和密集存储自动化系统，电动移动货架及各类工位器具等，并推荐专用物流仓储设备的选用方案，为客户全方位专业的进行整体物流及设备设计规划，让客户的仓储能力最大化，同时降低物流成本。

我们拥有五大专业物流设备运行实验室：综合检测实验室、货架承载及抗震实验室、重型电动移动货架实验室、自动化仓库AS/RS实验室、全自动穿梭车货架实验室。

品质控制能力

我们拥有货架材质检测的专业材力试验机，货架立柱承载试验机及横梁承载试验机。

我们拥有整套货架表面涂层质量检测设备：划格试验机、杯突试验机、电子磁性测厚仪、光泽度测量仪、监雾试验机等。

我们从2003年就通过ISO 9001质量体系认证和ISO 14001环境体系认证。

Our products cover a complete range of racking system, and they are in compliance with EN (European Norm) standards. We also provide specific racking solution to meet each individual client's needs.

Product development / Technical abilities

A team of 50+ elite engineers is dedicated in product and technical developments. Tailor made solutions including all types of racking and automation systems to meet our clients' needs. Five specialized laboratories to perform all types of measurements and tests:

• General • Lab Anti-seismic and Load Capacity • AMR • ASRS • Shuttle System Testing

Superior Quality

Dedicated Quality control team insuring the best quality products are made ISO 9001 Quality Control and ISO 14001 Environmental Control Systems certified.





自动化密集存储系统

Automatic High Density Storage System



自动化密集存储系统

Automatic High Density Storage System



Automatic High Density Storage

自动化密集存储 >>

子母车智能存储系统主要由穿梭式货架、穿梭子车、穿梭母车、母车轨道、升降机、输送机、WMS管理系统、WCS调度系统八大部分组成。本系统是穿梭式货架的自动化升级版本，为全自动化控制，由计算机系统控制，穿梭车子负责巷道中的货物存储，穿梭母车负责将巷道中的货物水平移动至升降机中，同时子车可通过母车在同层更换通道作业，也可通过垂直升降设备换层作业，最终通过地面输送系统完成库区和库外的物流对接。



Automatic High Density Storage System includes shuttle rack, pallet shuttle , pallet mover, mover rail, lift , conveyor, WMS, WCS and etc, which is upgrade version of semiautomatic shuttle racking storage system. This automatic system is controlled by WMS, and pallet shuttle is in charge of transport the pallets in the lanes while the pallet movers transport the pallets to the lift. The pallet shuttle runs together with the pallet mover and lift to move the pallets to the ground conveyors to complete the whole loading and unloading orders.



Pallet Mover

穿梭母车 >>

穿梭母车性能特点

- 1) 穿梭母车采用条码定位，定位准确。
- 2) 穿梭母车采用滑触线/锂电池供电，穿梭子车采用超级电容/锂电池供电。
- 3) 电气控制系统采用多重保护，确保运行安全。
- 4) 全套采用进口电气元件，保证设备使用寿命。



Pallet Mover Advantages:

- 1) Bar-code positioning, Accurate positioning
- 2) Mother shuttle power supplied by safety sliding line or lithium battery.Baby shuttle power supplied by super capacitor or lithium battery.
- 3) Multiple protection to electrical control system that ensure the operation is enough safe.
- 4) Imported electric elements for long term life.

Pallet Shuttle

穿梭子车 >>

穿梭子车性能特点

- 1) 满足各种托盘如钢托盘、木托盘、塑料托盘混合使用，并兼容大小托盘作业，自动识别大小托盘。
- 2) 电气元器件自检测功能，一旦有元器件故障或者损坏，设备能自行检测并报警提示。
- 3) 设备采用编码器做辅助控制，程序控制双重保证，系统运行更稳定，调节更方便。

Pallet Shuttle Advantages:

- 1) Allow mixed usage of pallets, such as steel pallets, wooden pallets, plastic pallets; automatic identification of pallet size and do corresponding adjustment action;
- 2)Self-test function, if there is anything wrong, the shuttle cart itself will test and alarm;
- 3)The auxiliary control coder, a double guarantee to make the system running more stable, smooth and reliable. Easy adjustment.

母车及子车技术参数 Pallet Mover and Pallet Shuttle Technical Data

母车供电方式		滑触线供电/电池供电	Mover-Power Supply		On -line/Battery -supply
承载质量kg ≤		1500	Load Capacity kg ≤		1500
适用托盘规格(托盘长度mm)		1000-1300	Pallet size		1000-1300
车速	母车空载m/s ≤	2.5	Speed	Mover Empty speed m/S ≤	2.5
	母车满载m/s ≤	2.0		Mover Loaded speed m/S ≤	2.0
	子车空载m/s ≤	1.0		Shuttle Empty speed m/S ≤	1.0
	子车满载m/s ≤	0.6		Shuttle Loaded speed m/S ≤	0.6
电机功率	母车行走驱动电机kw	2.2 (AC220V)	Power	Mover Driving Motor kw	2.2 (AC220V)
	母车输送机驱动电机kw	最大0.37 (AC220V)		Mover Conveyor drive motor kw	最大0.37(AC220V)
	子车行走驱动电机kw	0.65		Shuttle Driving Motor kw	0.65
	子车顶升驱动电机kw	0.37		Shuttle Lifting drive motor kw	0.37
母车电池	电池容量Ah	80AH(DC48V)	Mover Battery	Battery Capacity Ah	80AH (DC48V)
	一次充电连续工作时间h	8h(battery)		One charge continuous working time h	8 h (battery)
	充电时间 h	8 h		Charing time h	8 h
子车电池	电池容量 Ah	50AH	Shuttle Battery	Battery Capacity Ah	50AH
		(DC24V)			(DC24V)
子车充电方式		在线	Shuttle power supply		On -line
子车行走结构		八轮结构	Shuttle drive structure		8-wheel
通信方式		无线	Communication mode		wireless
控制方式		手动、自动、在线	Control mode		Manual. automatic. online