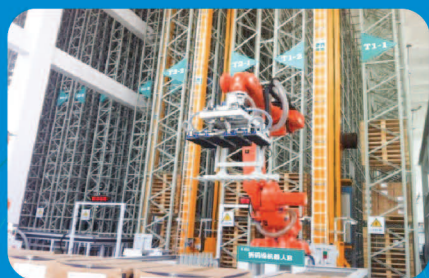




无锡汇千物流机械制造有限公司
WUXI HUIQIAN LOGISTICS MACHINERY MANUFACTURING CO.,LTD



智能物流仓储系统
INTELLIGENT LOGISTICS WAREHOUSING SYSTEM

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高速料箱库

BOX PICKER

工作原理 Working Principle

料箱库是以料箱为存储单元，通过提取车实现料箱在货架上的存放工作，货叉将料箱送到生产线上。

BOX PICKER takes the material box as the storage unit to realize the storage and retrieve of material box through the movement of extractor.



特点 Characteristics

- ◎存取快速，平均取料时间：20s；
Fast access, the average stocking time: 20s
- ◎单盒出入，存储单元可直接与 AGV/ 输送线对接；
Single box access, storage unit can be directly connected with the AGV/ transmission line
- ◎多出入货口定制，可实现物流循环流通；
Customized accessing exit, achieving circulation logistics
- ◎可与机械手对接，实现无人作业；
Can be docked with manipulator, achieving unmanned operation
- ◎全封闭，温湿度可控；
Full closed, temperature and humidity could be well controlled
- ◎可与 ERP/SAP/MES 等无缝对接。
Seamless connecting with ERP/SAP/MES



垂直循环货柜

VERTICAL CAROUSEL

工作原理 Working Principle

垂直循环货柜以料斗为存储单元，通过链条传动带动料斗循环回转，实现“由货到人”的物流存储方式。货柜运行时，系统采用优算法，自动选择最短路径，使物料快捷地送到操作者手中，非常适合摆放在生产区附近，用于中小型零件的存储。

Vertical carousel, with carrier as storage unit realizes logistical storage of "from articles to operator" by circulating the carriers with the movement of rotating chain. It delivers articles to operator accurately and quickly through the best path selection. It is very suitable to be placed around production area and for medium and small sized parts storage.

特点 Characteristics

- ◎全自动化操作，缩短存取货物的时间；
Automatic operation and saving access time;
- ◎充分利用空间高度，提高地面空间的利用率；
Maximum use of the available floor space;
- ◎具有良好的安全保护功能；
Favorable security protection function;
- ◎可实现网络化管理，改善响应时间；
Realize networking administration, improve response time;
- ◎先进先出功能；
FIFO function;
- ◎单机手动、单机自动、联机自动多种操作模式；
Various operating modes such as manual operation,automatic stand-alone operation and automatic on-line operation;
- ◎多级密码管理功能；
Multistage password management;
- ◎设计有在设备断电、发生故障等特殊情况下使用的应急系统。
Hand crank can be used when the equipment suffers power failure or malfunction.



应用范围 Applying Scope

主要用于存放工具，刀具，工业零、备件，电子元器件，医疗药品、器具，以及重要文档、资料、光盘、磁介质等；可广泛应用于航空航天、烟草、机械、电子、石化、医 药、银行、汽车等领域。

Vertical carousel is mainly used to store tools, spare parts, electric components, medicines, medical appliances, important files, documents, disks, etc. It can be widely used in various realms such as aviation, tobacco, mechanical, electronic, petrochemical and medical industry, bank, automobile and so on.

轻量型垂直循环货柜 Light-load Vertical Carousel

(单料斗承重 ≤ 100 kg Each carrier load at most 100kg)

轻量型垂直循环货柜单料斗最大承重 100Kg，主要用于存放电子元器件、医疗药品器材、重要文档、光盘、磁介质等相对较轻物品。此类设备自重较轻，适于放置在办公环境中。

Light load vertical carousel, each carrier of which can load at most 100Kg, is mainly used to store light articles such as electronic elements, medicines, medical appliances, important files, disks and so on. With low deadweight, this kind of equipment can be easily placed in office surroundings.



轻量型垂直循环货柜推荐型号及规格一览 Models and specifications Recommended List

型号 Model	料斗数 Carrier quantity	料斗净尺寸 Carrier net dimensions (mm)			柜体外形尺寸 Equipment overall dimensions (mm)			单斗承重 Load capacity per carrier (kg)
		长 L	深 W	高 H	长 L	宽 / 含工作台 宽 W	高 H	
XHQ-2620-1080-10	10	2190	300	320	2620	1080/1360	2470	100
XHQ-2620-1080-12	12	2190	300	320	2620	1080/1360	2830	100
XHQ-2620-1080-14	14	2190	300	320	2620	1080/1360	3190	100
XHQ-2620-1080-16	16	2190	300	320	2620	1080/1360	3550	100
XHQ-2620-1080-18	18	2190	300	320	2620	1080/1360	3910	100
XHQ-2620-1080-20	20	2190	300	320	2620	1080/1360	4270	100

型号 Model	料斗数 Carrier quantity	料斗净尺寸 Carrier net dimensions (mm)			柜体外形尺寸 Equipment overall dimensions (mm)			单斗承重 Load capacity per carrier (kg)
		长 L	深 W	高 H	长 L	宽 / 含工作台 宽 W	高 H	
XHQ-2430-1030-10	10	1965	320	225	2430	1030/1310	1880	50
XHQ-2430-1030-12	12	1965	320	225	2430	1030/1310	2130	50
XHQ-2430-1030-14	14	1965	320	225	2430	1030/1310	2380	50
XHQ-2430-1030-16	16	1965	320	225	2430	1030/1310	2630	50
XHQ-2430-1030-18	18	1965	320	225	2430	1030/1310	2880	50
XHQ-2430-1030-20	20	1965	320	225	2430	1030/1310	3130	50

型号 Model	料斗数 Carrier quantity	料斗净尺寸 Carrier net dimensions (mm)			柜体外形尺寸 Equipment overall dimensions (mm)			单斗承重 Load capacity per carrier (kg)
		长 L	深 W	高 H	长 L	宽 / 含工作台 宽 W	高 H	
XHQ-2460-965-18	18	1965	270	185	2460	965/1245	2330	100
XHQ-2460-965-20	20	1965	270	185	2460	965/1245	2535	100
XHQ-2460-965-22	22	1965	270	185	2460	965/1245	2740	100
XHQ-2460-965-24	24	1965	270	185	2460	965/1245	2945	100
XHQ-2460-965-26	26	1965	270	185	2460	965/1245	3150	100
XHQ-2460-965-28	28	1965	270	185	2460	965/1245	3355	100
XHQ-2460-965-30	30	1965	270	185	2460	965/1245	3560	100
XHQ-2460-965-32	32	1965	270	185	2460	965/1245	3765	100

型号 Model	料斗数 Carrier quantity	料斗净尺寸 Carrier net dimensions (mm)			柜体外形尺寸 Equipment overall dimensions (mm)			单斗承重 Load capacity per carrier (kg)
		长 L	深 W	高 H	长 L	宽 / 含工作台 宽 W	高 H	
XHQ-2460-1210-10	10	2020	390	300	2460	1210/1490	2285	50
XHQ-2460-1210-12	12	2020	390	300	2460	1210/1490	2610	50
XHQ-2460-1210-14	14	2020	390	300	2460	1210/1490	2935	50
XHQ-2460-1210-16	16	2020	390	300	2460	1210/1490	3260	50
XHQ-2460-1210-18	18	2020	390	300	2460	1210/1490	3585	50
XHQ-2460-1210-20	20	2020	390	300	2460	1210/1490	3910	50

中量型垂直循环货柜 Medium-load Vertical Carousel

(单料斗承重≤ 200 kg Each carrier load at most 200kg)

中量型垂直循环货柜单料斗最大承重 200Kg，主要用于存放设备零备件、辅料、半成品、医疗器材等。
Medium load vertical carousel, each carrier of which can loadat most 200Kg, is mainly used to store spare parts, auxiliary materials, semi-finished products, medical appliances and so on.



中量型垂直循环货柜推荐型号及规格一览 Models and specifications Recommended List

型号 Model	料斗数 Carrier quantity	料斗净尺寸 Carrier net dimensions (mm)			柜体外形尺寸 Equipment overall dimensions (mm)			单斗承重 Load capacity per carrier (kg)
		长 L	深 W	高 H	长 L	宽 / 含工作台 宽 W	高 H	
XHG-2660-1335-14	14	1960	370	280	2660	1335/1685	2730	200
XHG-2660-1335-16	16	1960	370	280	2660	1335/1685	3035	200
XHG-2660-1335-18	18	1960	370	280	2660	1335/1685	3340	200
XHG-2660-1335-20	20	1960	370	280	2780	1335/1685	3645	200
XHG-2780-1335-22	22	1960	370	280	2780	1335/1685	3950	200
XHG-2780-1335-24	24	1960	370	280	2780	1335/1685	4255	200
XHG-2780-1335-26	26	1960	370	280	2780	1335/1685	4560	200
XHG-2780-1335-28	28	1960	370	280	2780	1335/1685	4865	200
XHG-2780-1335-30	30	1960	370	280	2780	1335/1685	5170	200
XHG-2780-1335-32	32	1960	370	280	2780	1335/1685	5475	200
XHG-2780-1335-34	34	1960	370	280	2780	1335/1685	5780	200
XHG-2780-1335-36	36	1960	370	280	2780	1335/1685	6085	200

型号 Model	料斗数 Carrier quantity	料斗净尺寸			柜体外形尺寸			单斗承重 Load capacity per carrier (kg)
		Carrier net dimensions (mm) 长 L	深 W	高 H	Equipment overall dimensions (mm) 长 L	宽 / 含工作台 宽 W	高 H	
XHG-2860-1515-12	12	2210	500	280	2860	1515/1755	3000	200
XHG-2860-1515-14	14	2210	500	280	2860	1515/1755	3320	200
XHG-2860-1515-16	16	2210	500	280	2860	1515/1755	3640	200
XHG-2860-1515-18	18	2210	500	280	2860	1515/1755	3930	200
XHG-2860-1515-20	20	2210	500	280	2860	1515/1755	4250	200
XHG-2940-1515-22	22	2210	500	280	2940	1515/1755	4570	200
XHG-2940-1515-24	24	2210	500	280	2940	1515/1755	4890	200
XHG-2940-1515-26	26	2210	500	280	2940	1515/1755	5210	200
XHG-2940-1515-28	28	2210	500	280	2940	1515/1755	5530	200
XHG-2940-1515-30	30	2210	500	280	2940	1515/1755	5850	200
XHG-2940-1515-32	32	2210	500	280	2940	1515/1755	6170	200
XHG-2940-1515-34	34	2210	500	280	2940	1515/1755	6490	200

型号 Model	料斗数 Carrier quantity	料斗净尺寸			柜体外形尺寸			单斗承重 Load capacity per carrier (kg)
		Carrier net dimensions (mm) 长 L	深 W	高 H	Equipment overall dimensions (mm) 长 L	宽 / 含工作台 宽 W	高 H	
XHG-3360-1335-14	14	2660	370	280	3360	1335/1685	2730	200
XHG-3360-1335-16	16	2660	370	280	3360	1335/1685	3035	200
XHG-3360-1335-18	18	2660	370	280	3360	1335/1685	3340	200
XHG-3360-1335-20	20	2660	370	280	3360	1335/1685	3645	200
XHG-3480-1335-22	22	2660	370	280	3480	1335/1685	3950	200
XHG-3480-1335-24	24	2660	370	280	3480	1335/1685	4255	200
XHG-3480-1335-26	26	2660	370	280	3480	1335/1685	4560	200
XHG-3480-1335-28	28	2660	370	280	3480	1335/1685	4865	200
XHG-3480-1335-30	30	2660	370	280	3480	1335/1685	5170	200
XHG-3480-1335-32	32	2660	370	280	3480	1335/1685	5475	200
XHG-3480-1335-34	34	2660	370	280	3480	1335/1685	5780	200
XHG-3480-1335-36	36	2660	370	280	3480	1335/1685	6085	200

型号 Model	料斗数 Carrier quantity	料斗净尺寸			柜体外形尺寸			单斗承重 Load capacity per carrier (kg)
		Carrier net dimensions (mm) 长 L	深 W	高 H	Equipment overall dimensions (mm) 长 L	宽 / 含工作台 宽 W	高 H	
XHG-3160-1335-14	14	2460	370	280	3160	1335/1685	2730	200
XHG-3160-1335-16	16	2460	370	280	3160	1335/1685	3035	200
XHG-3160-1335-18	18	2460	370	280	3160	1335/1685	3340	200
XHG-3160-1335-20	20	2460	370	280	3160	1335/1685	3645	200
XHG-3280-1335-22	22	2460	370	280	3280	1335/1685	3950	200
XHG-3280-1335-24	24	2460	370	280	3280	1335/1685	4255	200
XHG-3280-1335-26	26	2460	370	280	3280	1335/1685	4560	200
XHG-3280-1335-28	28	2460	370	280	3280	1335/1685	4865	200
XHG-3280-1335-30	30	2460	370	280	3280	1335/1685	5170	200
XHG-3280-1335-32	32	2460	370	280	3280	1335/1685	5475	200
XHG-3280-1335-34	34	2460	370	280	3280	1335/1685	5780	200
XHG-3280-1335-36	36	2460	370	280	3280	1335/1685	6085	200

型号 Model	料斗数 Carrier quantity	料斗净尺寸			柜体外形尺寸			单斗承重 Load capacity per carrier (kg)
		Carrier net dimensions (mm) 长 L	深 W	高 H	Equipment overall dimensions (mm) 长 L	宽 / 含工作台 宽 W	高 H	
XHG-3620-1750-12	12	2970	600	310	3620	1750/2150	3150	200
XHG-3620-1750-14	14	2970	600	310	3620	1750/2150	3500	200
XHG-3620-1750-16	16	2970	600	310	3620	1750/2150	3850	200
XHG-3620-1750-18	18	2970	600	310	3620	1750/2150	4200	200
XHG-3620-1750-20	20	2970	600	310	3620	1750/2150	4550	200
XHG-3700-1750-22	22	2970	600	310	3700	1750/2150	4900	200
XHG-3700-1750-24	24	2970	600	310	3700	1750/2150	5250	200
XHG-3700-1750-26	26	2970	600	310	3700	1750/2150	5600	200
XHG-3700-1750-28	28	2970	600	310	3700	1750/2150	5950	200
XHG-3700-1750-30	30	2970	600	310	3700	1750/2150	6300	200
XHG-3700-1750-32	32	2970	600	310	3700	1750/2150	6650	200
XHG-3700-1750-34	34	2970	600	310	3700	1750/2150	7000	200

型号 Model	料斗数 Carrier quantity	料斗净尺寸			柜体外形尺寸			单斗承重 Load capacity per carrier (kg)
		Carrier net dimensions (mm) 长 L	深 W	高 H	Equipment overall dimensions (mm) 长 L	宽 / 含工作台 宽 W	高 H	
XHG-3200-1335-14	14	2460	370	320	3200	1335/1685	3060	200
XHG-3200-1335-16	16	2460	370	320	3200	1335/1685	3405	200
XHG-3200-1335-18	18	2460	370	320	3200	1335/1685	3750	200
XHG-3200-1335-20	20	2460	370	320	3200	1335/1685	4095	200
XHG-3300-1335-22	22	2460	370	320	3300	1335/1685	4440	200
XHG-3300-1335-24	24	2460	370	320	3300	1335/1685	4785	200
XHG-3300-1335-26	26	2460	370	320	3300	1335/1685	5130	200
XHG-3300-1335-28	28	2460	370	320	3300	1335/1685	5475	200
XHG-3300-1335-30	30	2460	370	320	3300	1335/1685	5820	200

型号 Model	料斗数 Carrier quantity	料斗净尺寸			柜体外形尺寸			单斗承重 Load capacity per carrier (kg)
		Carrier net dimensions (mm) 长 L	深 W	高 H	Equipment overall dimensions (mm) 长 L	宽 / 含工作台 宽 W	高 H	
XHG-3630-1565-14	14	2950	500	345	3630	1565/1915	3450	200
XHG-3630-1565-16	16	2950	500	345	3630	1565/1915	3830	200
XHG-3630-1565-18	18	2950	500	345	3630	1565/1915	4210	200
XHG-3630-1565-20	20	2950	500	345	3630	1565/1915	4590	200
XHG-3750-1565-22	22	2950	500	345	3750	1565/1915	4970	200
XHG-3750-1565-24	24	2950	500	345	3750	1565/1915	5350	200
XHG-3750-1565-26	26	2950	500	345	3750	1565/1915	5730	200
XHG-3750-1565-28	28	2950	500	345	3750	1565/1915	6110	200
XHG-3750-1565-30	30	2950	500	345	3750	1565/1915	6490	200

重量型垂直循环货柜 Heavy-load Vertical Carousel

(单料斗承重 ≤ 500 kg Each carrier load at most 500kg)

重量型垂直循环货柜单料斗最大承里 500Kg，主要用于存放成品、原材料、工具、刀具、模具等重型物品。

Heavy load vertical carousel, each carrier of which can load at most 500Kg, is mainly used to store heavy articles such as finished products, raw materials, tools, cutters, molds and so on.



重量型垂直循环货柜推荐型号及规格一览 Models and specifications Recommended List

型号 Model	料斗数 Carrier quantity	料斗净尺寸 Carrier net dimensions (mm)			柜体外形尺寸 Equipment overall dimensions (mm)			单斗承重 Load capacity per carrier (kg)
		长 L	深 W	高 H	长 L	宽 / 含工作台 宽 W	高 H	
XHZ-2670-1585-14	14	1950	500	370	2670	1585/1935	3715	500
XHZ-2670-1585-16	16	1950	500	370	2670	1585/1935	4120	500
XHZ-2670-1585-18	18	1950	500	370	2670	1585/1935	4525	500
XHZ-2670-1585-20	20	1950	500	370	2670	1585/1935	4930	500
XHZ-2770-1585-22	22	1950	500	370	2770	1585/1935	5335	500
XHZ-2770-1585-24	24	1950	500	370	2770	1585/1935	5740	500
XHZ-2770-1585-26	26	1950	500	370	2770	1585/1935	6145	500
XHZ-2770-1585-28	28	1950	500	370	2770	1585/1935	6550	500
XHZ-2770-1585-30	30	1950	500	370	2770	1585/1935	6955	500
XHZ-2770-1585-32	32	1950	500	370	2770	1585/1935	7360	500
XHZ-2770-1585-34	34	1950	500	370	2770	1585/1935	7765	500
XHZ-2770-1585-36	36	1950	500	370	2770	1585/1935	8170	500

型号 Model	料斗数 Carrier quantity	料斗净尺寸 Carrier net dimensions (mm)			柜体外形尺寸 Equipment overall dimensions (mm)			单斗承重 Load capacity per carrier (kg)
		长 L	深 W	高 H	长 L	宽 / 含工作台 宽 W	高 H	
XHZ-2860-1560-12	12	2170	500	340	2860	1560/1800	3540	500
XHZ-2860-1560-14	14	2170	500	340	2860	1560/1800	3920	500
XHZ-2860-1560-16	16	2170	500	340	2860	1560/1800	4300	500
XHZ-2860-1560-18	18	2170	500	340	2860	1560/1800	4680	500
XHZ-2860-1560-20	20	2170	500	340	2860	1560/1800	5060	500
XHZ-2940-1560-22	22	2170	500	340	2940	1560/1800	5440	500
XHZ-2940-1560-24	24	2170	500	340	2940	1560/1800	5820	500
XHZ-2940-1560-26	26	2170	500	340	2940	1560/1800	6200	500
XHZ-2940-1560-28	28	2170	500	340	2940	1560/1800	6580	500
XHZ-2940-1560-30	30	2170	500	340	2940	1560/1800	6960	500
XHZ-2940-1560-32	32	2170	500	340	2940	1560/1800	7340	500
XHZ-2940-1560-34	34	2170	500	340	2940	1560/1800	7720	500

型号 Model	料斗数 Carrier quantity	料斗净尺寸 Carrier net dimensions (mm)			柜体外形尺寸 Equipment overall dimensions (mm)			单斗承重 Load capacity per carrier (kg)
		长 L	深 W	高 H	长 L	宽 / 含工作台 宽 W	高 H	
XHZ-3370-1585-14	14	2650	500	370	3370	1585/1935	3715	500
XHZ-3370-1585-16	16	2650	500	370	3370	1585/1935	4120	500
XHZ-3370-1585-18	18	2650	500	370	3370	1585/1935	4525	500
XHZ-3370-1585-20	20	2650	500	370	3370	1585/1935	4930	500
XHZ-3470-1585-22	22	2650	500	370	3470	1585/1935	5335	500
XHZ-3470-1585-24	24	2650	500	370	3470	1585/1935	5740	500
XHZ-3470-1585-26	26	2650	500	370	3470	1585/1935	6145	500
XHZ-3470-1585-28	28	2650	500	370	3470	1585/1935	6550	500
XHZ-3470-1585-30	30	2650	500	370	3470	1585/1935	6955	500
XHZ-3470-1585-32	32	2650	500	370	3470	1585/1935	7360	500
XHZ-3470-1585-34	34	2650	500	370	3470	1585/1935	7775	500
XHZ-3470-1585-36	36	2650	500	370	3470	1585/1935	8170	500

型号 Model	料斗数 Carrier quantity	料斗净尺寸 Carrier net dimensions (mm)			柜体外形尺寸 Equipment overall dimensions (mm)			单斗承重 Load capacity per carrier (kg)
		长 L	深 W	高 H	长 L	宽 / 含工作台 宽 W	高 H	
XHZ-3380-1720-14	14	2650	500	470	3380	1720/2070	4550	500
XHZ-3380-1720-16	16	2650	500	470	3380	1720/2070	5060	500
XHZ-3380-1720-18	18	2650	500	470	3380	1720/2070	5570	500
XHZ-3380-1720-20	20	2650	500	470	3380	1720/2070	6080	500
XHZ-3500-1720-22	22	2650	500	470	3500	1720/2070	6590	500
XHZ-3500-1720-24	24	2650	500	470	3500	1720/2070	7100	500
XHZ-3500-1720-26	26	2650	500	470	3500	1720/2070	7610	500
XHZ-3500-1720-28	28	2650	500	470	3500	1720/2070	8120	500
XHZ-3500-1720-30	30	2650	500	470	3500	1720/2070	8630	500

垂直升降货柜

VERTICAL LIFT

工作原理 Working Principle

垂直升降货柜是以托盘为存储单元，通过提取车的升降和水平运动，将存放货物的托盘取出或送到柜内合适的货位。提取车的升降运动采用绝对认址方式，精度高，认址准确；水平运动采用感应开关控制，可达到机构的动作要求。货柜运行时自动进行路径优化和寻找最佳存储位置，真正实现“物到人”和智能化管理。

与垂直循环货柜相比，垂直升降货柜更适于存放尺寸差异较大和形状不规则的物品。

Vertical Lift, with tray as its storage unit, delivers the requested tray to operator or suitable position via the vertical and horizontal movement of the extractor. Vertical movement of the extractor adopts absolute addressing mode, and the horizontal movement is controlled by inductive switches. These methods make the extractor move accurately. While the equipment is running, system will select the best path and the optimal storage position. Vertical lift really realizes the storage form of "articles to operator" and intelligent management.

Compared with vertical carousel, vertical lift is more suitable to store articles of greatly different sizes and irregular shape.



应用范围 Applying Scope

主要用于存放工具、刀具、工业零、备件，电子元器件，医疗药品、器具，以及里要文档、资料、光盘、磁介质等；可广泛应用于航空航天、烟草、机械、电子、石化、医药、银行、汽车等领域。

Vertical lift is mainly used to store tools, spare parts, electric components, medicines, medical appliances, important files, documents, disks, etc. It can be widely used in various realms such as aviation, tobacco, mechanical, electronic, petrochemical and medical industry, bank, automobile and so on.



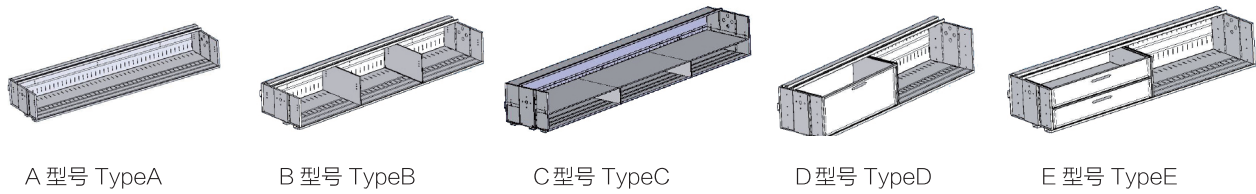
提取车
Extractor



四链条悬挂系统
Four chains suspension system

型号 Model	料斗数 Carrier quantity	料斗净尺寸 Carrier net dimensions (mm)			柜体外形尺寸 Equipment overall dimensions (mm)			单斗承重 Load capacity per carrier (kg)
		长 L	深 W	高 H	长 L	宽 / 含工作台 宽 W	高 H	
XHZ-3620-1560-12	12	2930	500	340	3620	1560/1800	3540	400
XHZ-3620-1560-14	14	2930	500	340	3620	1560/1800	3920	400
XHZ-3620-1560-16	16	2930	500	340	3620	1560/1800	4300	400
XHZ-3620-1560-18	18	2930	500	340	3620	1560/1800	4680	400
XHZ-3620-1560-20	20	2930	500	340	3620	1560/1800	5060	400
XHZ-3700-1560-22	22	2930	500	340	3700	1560/1800	5440	400
XHZ-3700-1560-24	24	2930	500	340	3700	1560/1800	5820	400
XHZ-3700-1560-26	26	2930	500	340	3700	1560/1800	6200	400
XHZ-3700-1560-28	28	2930	500	340	3700	1560/1800	6580	400
XHZ-3700-1560-30	30	2930	500	340	3700	1560/1800	6960	400
XHZ-3700-1560-32	32	2930	500	340	3700	1560/1800	7340	400
XHZ-3700-1560-34	34	2930	500	340	3700	1560/1800	7720	400

多种形式的料斗 Multiform Carriers



优点

Advantages

- ◎自动检测物品高度，合理安排柜内存储空间；
System measures height of articles automatically and arranges storage space of the equipment appropriately.
- ◎可实现网络化管理，改善响应时间；
Realize networking administration, improve response time;
- ◎先进先出功能；
FIFO function;
- ◎单机手动、单机自动、联机自动多种操作模式；
Various operating modes such as manual operation, automatic stand-alone operation and automatic on-line operation;
- ◎产品系列化、模块化；技术成熟，供货周期短；
Serialization and modularization of products; Mature technology and short delivery cycle;
- ◎高度可达 20 米以上，并可穿越楼层；
Overall height is up to 20m. The equipment can also be designed
- ◎运行更平稳、更快速、更安全；
Steadier, faster and safer running;
- ◎承载能力更强 . 单托盘载里可达 1 吨，整机可达 100 吨。
Higher load capacity, load capacity per pallet is up to 1t, total load capacity is up to 100t.



多样的存储形式

Storage forms



抽屜式托盤
Drawer type pallet



配物料盒托盤
Configured with plastic boxes



自由分割型托盤
Tray with punched slots and divider



配刀柄套托盤
Configured with tool set



配定制工裝
Configured with fixture tools

» TSG-635 型

Type TSG-635

型号 Model	托盘数 Tray quantity	托盘净尺寸 Tray net dimensions (mm)		柜体外形尺寸 Equipment overall dimensions (mm)			单托盘承重 Load capacity per tray (kg)
		长 L	深 W	长 L	深 W	高 H	
TSG-635-840-	20(根据需要)	840	635	1220	2285	≥ 3000 (根据需要 任意定制 Custom made)	A:250 B:500 C:750 D:1000
TSG-635-1300-		1300	635	1680	2285		
TSG-635-1640-		1640	635	2020	2285		
TSG-635-2060-		2060	635	2440	2285		
TSG-635-2300-	定制数量	2300	635	2680	2285	Custom made)	
TSG-635-2460-	Custom made)	2460	635	2840	2285		
TSG-635-2860-		2860	635	3240	2285		
TSG-635-3260-		3260	635	3640	2285		
TSG-635-4000-		4000	635	4400	2285		

» TSG-825 型

Type TSG-825

型号 Model	托盘数 Tray quantity	托盘净尺寸 Tray net dimensions (mm)		柜体外形尺寸 Equipment overall dimensions (mm)			单托盘承重 Load capacity per tray (kg)
		长 L	深 W	长 L	深 W	高 H	
TSG-825-840-	20(根据需要)	840	825	1220	2855	≥ 3000 (根据需要 任意定制 Custom made)	A:250 B:500 C:750 D:1000
TSG-825-1300-		1300	825	1680	2855		
TSG-825-1640-		1640	825	2020	2855		
TSG-825-2060-		2060	825	2440	2855		
TSG-825-2300-	定制数量	2300	825	2680	2855	Custom made)	
TSG-825-2460-	Custom made)	2460	825	2840	2855		
TSG-825-2860-		2860	825	3240	2855		
TSG-825-3260-		3260	825	3640	2855		
TSG-825-4000-		4000	825	4400	2855		

» TSG-1270 型

Type TSG-1270

型号 Model	托盘数 Tray quantity	托盘净尺寸 Tray net dimensions (mm)		柜体外形尺寸 Equipment overall dimensions (mm)			单托盘承重 Load capacity per tray (kg)
		长 L	深 W	长 L	深 W	高 H	
TSG-1270-840-	20(根据需要)	840	1270	1220	4190	≥ 3000 (根据需要 任意定制 Custom made)	A:250 B:500 C:750 D:1000
TSG-1270-1300-		1300	1270	1680	4190		
TSG-1270-1640-		1640	1270	2020	4190		
TSG-1270-2060-		2060	1270	2440	4190		
TSG-1270-2300-	定制数量	2300	1270	2680	4190	Custom made)	
TSG-1270-2460-	Custom made)	2460	1270	2840	4190		
TSG-1270-2860-		2860	1270	3240	4190		
TSG-1270-3260-		3260	1270	3640	4190		
TSG-1270-4000-		4000	1270	4400	4190		

智能组合式升降货柜

SMART MODULAR VERTICAL LIFT

工作原理

Working Principle

智能组合式升降货柜是模块化结构的垂直升降仓储系统，可在有限空间内实现高密度存储，该设备采用了先进的提升技术和水平挂接技术；设计思想完全融入模块化设计理念。

Smart Modular Vertical Lift is a kind of vertical storage system in modular structure, enabling to achieve the high-density storage within a limited space. The advanced technologies of lifting and hooking are applied in the equipment with its design totally integrating with the modular design philosophy.



应用范围

Applying Scope

主要用于存放工具、刀具。工业零、备件，电子元器件。医疗药品、器具，以及重要文档、资料、光盘、磁介质等；可广泛应用于航空航天、烟草、机械、电子、石化、医药、银行、汽车等领域。

Vertical lift is mainly used to store tools, spare parts, electric components, medicines, medical appliances, important files, documents, disks, etc. It can be widely used in various realms such as aviation、tobacco、mechanical、electronic、petrochemical and medical industry, bank, automobile and so on.

特点

Characteristics

◎先进的垂直升降技术，齿形带 / 链条传动实现提取车的自动升降，无污染，噪音小，传动平稳。

Advanced vertical lifting technology, with toothed belt/chain transmission achieving the extractor's automatic vertical movement. Pollution-free, low noise, and smooth transmission.

快速存取

Fast to store and retrieve

利用自动测高，高度优化功能实现自动存储

Applying automatic height finding and height optimizing to achieve automatic storage

内置安全门保证安全性

A built-in Safety gate installed for safty guarantee

◎赋予更多的存取灵活性

More flexibilities for storing and retrieving

设备可穿越楼层，设置多个存取口

Equipment design for crossing through several floors in height. More than one access points

多个使用者可同时操作，依次序处理任务

More users can operate simultaneously and process tasks in turns

◎赋予最优化的存储系统

Optimized storage system

25mm 的托盘增量使存放不同高度的物品更加紧凑

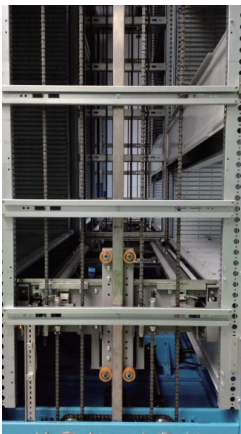
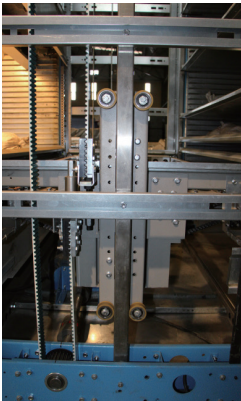
The pallet 25mm enabling a more effective storage of inventories in different height

存储不同的物品时，无需修改机械传动和电气控制

No need to alter the mechanical drive and electrical control system for storing different articles

25mm 间距测高光幕实现自动测高

Automatic height finding achieved by the 25mm spacing height measuring specular curtain



» ZZS-610 型

TYPE ZZS-610

型号 Model	托盘数 Tray quantity	托盘净尺寸 Tray net dimensions (mm)		柜体外形尺寸 Equipment overall dimensions (mm)			单托盘承重 Load capacity per tray (kg)
		长 L	深 W	长 L	深 W	高 H	
ZZS-610-1250	20(根据需要 定制数量 Custom made)	1250	610	1580	2320	≥ 3000 (根据需要 任意定制 Custom made)	A:300 B:500
ZZS-610-1650		1650	610	1980	2320		
ZZS-610-1850		1850	610	2180	2320		
ZZS-610-2050		2050	610	2380	2320		
ZZS-610-2150		2150	610	2480	2320		
ZZS-610-2450		2450	610	2780	2320		
ZZS-610-2850		2850	610	3180	2320		
ZZS-610-3050		3050	610	3380	2320		

» ZZS-815 型

TYPE ZZS-815

型号 Model	托盘数 Tray quantity	托盘净尺寸 Tray net dimensions (mm)		柜体外形尺寸 Equipment overall dimensions (mm)			单托盘承重 Load capacity per tray (kg)
		长 L	深 W	长 L	深 W	高 H	
ZZS-815-1250	20(根据需要 定制数量 Custom made)	1250	815	1580	2930	≥ 3000 (根据需要 任意定制 Custom made)	A:300 B:500
ZZS-815-1650		1650	815	1980	2930		
ZZS-815-1850		1850	815	2180	2930		
ZZS-815-2050		2050	815	2380	2930		
ZZS-815-2150		2150	815	2480	2930		
ZZS-815-2450		2450	815	2780	2930		
ZZS-815-2850		2850	815	3180	2930		
ZZS-815-3050		3050	815	3380	2930		

» ZZS-865 型

TYPE ZZS-865

型号 Model	托盘数 Tray quantity	托盘净尺寸 Tray net dimensions (mm)		柜体外形尺寸 Equipment overall dimensions (mm)			单托盘承重 Load capacity per tray (kg)
		长 L	深 W	长 L	深 W	高 H	
ZZS-865-1250	20(根据需要 定制数量 Custom made)	1250	865	1580	3075	≥ 3000 (根据需要 任意定制 Custom made)	A:300 B:500
ZZS-865-1650		1650	865	1980	3075		
ZZS-865-1850		1850	865	2180	3075		
ZZS-865-2050		2050	865	2380	3075		
ZZS-865-2150		2150	865	2480	3075		
ZZS-865-2450		2450	865	2780	3075		
ZZS-865-2850		2850	865	3180	3075		
ZZS-865-3050		3050	865	3380	3075		

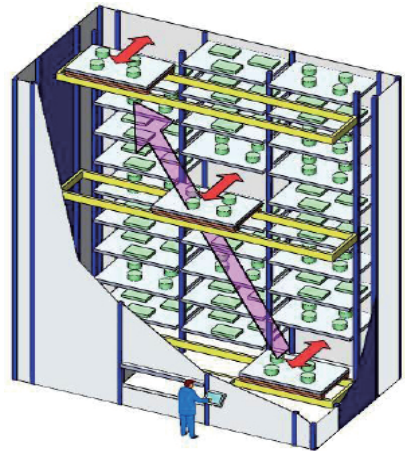
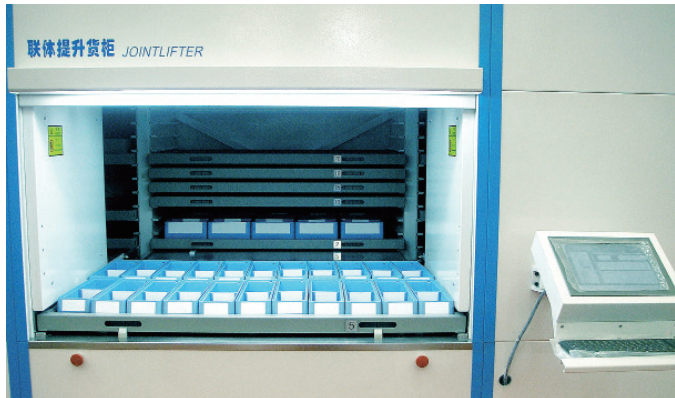
联体升降货柜

JOINT LIFTER

介绍 Introduction

联体升降货柜是中国电子科技集团公司第二研究所自主研发出的国内第一台此类设备。它是介于垂直升降货柜和立体仓库之间的产品，在空间有限、而又需要高密度存储的场合是立体仓库的替代品。它的问世填补了货柜在该领域的空白，目前我所是唯一的生产商。

Joint Lifter is a product intervening between Vertical Lift and Tiered Warehouse, which is suitable for high-density storage in finite space. The Second Research Institute of China Electronics Technology Group Corporation is the first and the only manufacturer of this kind of equipment at home. Its successful appearance supplies a gap in the realm of automatic storage systems.



应用范围 Applying Scope

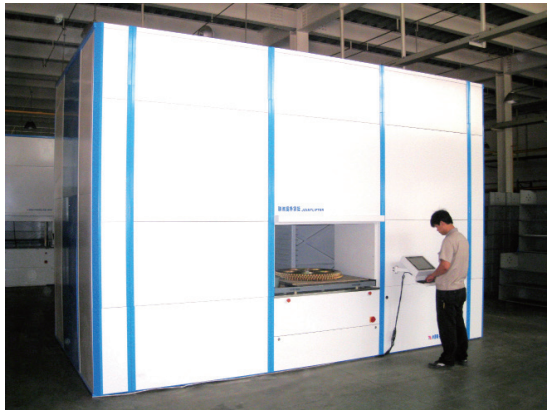
主要用于存放刀具、工具、量具、各种中小型机械零件、电子元器件、医疗器械、药品、食品、书籍等各种物品。广泛应用于航空航天、兵器工业、烟草、机械、电子、石化、医疗、银行、汽车等领域。

It is mainly used to store cutters, tools, measuring instruments, various small machine parts, electric elements, medical appliances, medicines, foods, books and so on. It can be widely used in various realms such as aviation, arms, tobacco, mechanical, electronic, petrochemical and medical industry, bank, automobile, etc.

工作原理 Working Principle

自动联体升降货柜是由多列货架构成货位，用一台提取车将货物在水平左右、水平前后、垂直上下三个方向上移动，从而实现货物在不同货位上的存取操作。它以托盘为存储单元，用户可直接输入物料代码或输入物料所在的托盘号，提取车根据用户指令在几台提升柜单元间运动。将所需托盘运至存储位或取料口。

The automatic joint lifter is composed of several shelf units. With only one extractor, goods can be delivered right and left, back and forward and up and down. It uses pallet as its storage unit, user only needs to input the material code or the number of pallet which contains the requested material, then the extractor will move among these vertical lifts and transfer the needed pallet to storage location or retrieval zone.



特点 Characteristics

- ◎ 联体升降货柜与单台升降货柜相比，除了具备单台升降柜的所有特点之外，还有如下优点：
Compared to the vertical lift, the joint lifter not only comprises all the strong points of the vertical lift, but also has the following advantages:
- ◎ 采用伺服系统，控制精确；
Application of servo system realizes accurate control;
- ◎ 在功能上实现了提取车的三轴联动；
The extractor can move in three directions;
- ◎ 只用一个载货平台和一套控制系统对相邻的多个储位点展开作业，大幅度降低生产成本；
Much lower production cost for there is only one goods carrier and one set of control system in the equipment;
- ◎ 该设备的存储量相当于同等数量的多台垂直升降货柜，但造价远低于多台升降柜造价的总额，性价比大大提高；
Higher cost performance for the storage capacity of joint lifter is equivalent to the total capacity of several vertical lifts while its cost is much lower than the amount of those lifts;
- ◎ 可采用两个以上的多个存取口，满足客户对入库口和出库口需要分别设置的需求；
If customer wants to separate the storing and retrieval position, we can do the corresponding design and set more than two retrieval points on the joint lifter;
- ◎ 技术先进，可靠性高，尤其适用于存储物品种类多、小的场合。
The unique technology for joint lifter is highly advanced and reliable. If your goods are of various kinds but small quantity, joint lifter will be the most appropriate product for you.



联体升降货柜系列表 Series table of Joint lifter

型号 Model	托盘净尺寸 Tray net dimensions (mm)	托盘净长 Pallet net length (mm)	柜体高 Equipment height (mm)	单托盘承重 Load capacity per tray (kg)
LTG-635 系列	635	840/1300/1640/2060/2300 /2460/2860/3260 可选	≥ 3000 (根据需要 任意定制 Custom made)	250/500/1000kg
LTG-825 系列	825			
LTG-1015 系列	1015			
LTG-1270 系列	1270			

全自动板材库

AUTOMATIC STORAGE SYSTEM FOR SHEET METALS

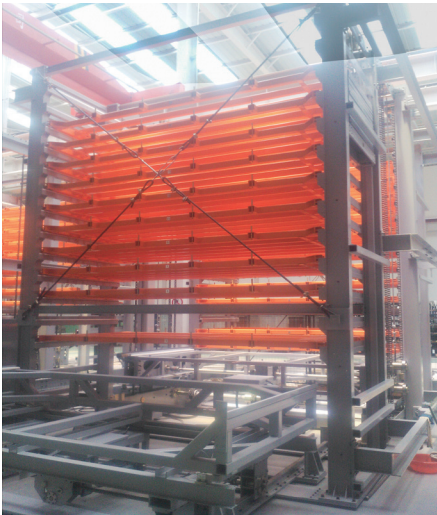


优点 Advantages

- ◎ 小占地面积上的高存储密度
Highest storage density with smallest footprint
- ◎ 全自动化运行，快速的料箱交换时间，节省时间和人力
Fast cassette changeover times due to fully automatic operation ensure short processing times with reduced personnel
- ◎ 清楚明了的存储管理，提高安全性，方便物料计划
Clear storage management ensures better safety and easier planning
- ◎ 模块化设计，快速、低成本地适应库区容量需求的变化
Modular system design allows quick and cost effective adaptations to changing capacity needs

板材库主要技术指标 Technical Data of Sheet Metal Storage System

- ◎ 单托盘最大承载：5t
Max.load capacity per location: 5t
- ◎ 库体最大高度：可达 10m
Max.system height: up to 10m
- ◎ 有效存储长度：2000-4000mm
Usable storage length: 2000-4000mm
- ◎ 有效存储宽度：1000/1250/1500/2000/3000mm
Usable storage width: 1000/1250/1500/2000/3000mm
- ◎ 提升速度：14-32 m/min
Lifting speed: 14-32 m/min
- ◎ 仓储管理系统：可选
Material inventory management: Option



全自动棒材库

AUTOMATIC STORAGE SYSTEM FOR BAR STOCKS



优点 Advantages

- ◎ 小占地面积上的高存储密度
Highest storage density with smallest footprint
- ◎ 全自动化运行，快速的料箱交换时间，节省时间和人力
Fast cassette changeover times due to fully automatic operation ensure short processing times with reduced personnel
- ◎ 清楚明了的存储管理，提高安全性，方便物料计划
Clear storage management ensures better safety and easier planning
- ◎ 模块化设计，快速、低成本地适应库区容量需求的变化
Modular system design allows quick and cost effective adaptations to changing capacity needs

棒材库主要技术指标 Technical Data of Bar Stock Storage System

- ◎ 仓储单元最大承载：3t
Max.load capacity per location: 3t
- ◎ 库体最大高度：可达 10 m
Max.system height: up to 10m
- ◎ 经济的存储长度：3000-6000mm
Economic storage length : 3000-6000mm
- ◎ 经济的仓储单元数 a: 10-40 个
Economic storage size : 10-40 locations
- ◎ 提取车存取能力：1-30 次
OGC double cycles per hour: 1-30 cycles
- ◎ 仓储管理系统：可选
Material inventory management: Option



全自动电缆库

AUTOMATIC STORAGE SYSTEM FOR CABLES

全自动电缆库是一种专门用于存放大型电缆的自动化仓储系统，具有自动放线、计数、剪线、收线等功能。
Automatic storage system for cables is a kind of storage system which is specialized for automatically storing large cable with functions such as wire feed, count, trimming, wire collected, etc.



优点 Advantages

- ◎ 小占地面积上的高存储密度
Highest storage density with smallest footprint
- ◎ 全自动化运行，快速的料箱交换时间，节省时间和人力
Fast cassette changeover times due to fully automatic operation ensure short processing times with reduced personnel
- ◎ 清楚明了的存储管理，提高安全性，方便物料计划
Clear storage management ensures better safety and easier planning

全自动电缆库主要技术指标 Technical Data of Cable Storage System

- ◎ 单托盘最大承载：1t
Max. load capacity per location: 1t
- ◎ 库体最大高度：可达 10m
Max. system height: up to 10m
- ◎ 有效存储直径：≤ 1200mm
Usable storage diameter: ≤ 1200mm
- ◎ 仓储管理系统：可选
Material inventory management: Optional



智能化盘料存储系统

SMD TOWER

全自动 SMD TOWER 用于存储盘料，容量大，可以存储多达 658 卷元器件，只需要 8-12 秒就可以找到所需要的元器件。多台设备可连线使用二维码 / 条形码扫描用于识别元器件，可避免料卷和元件混淆，有效防止贴片错误。

SMD TOWER is used for storing disk materials with large capacity, it can store up to 658 volumes of materials, and to pick the required materials within only 8-12 seconds. It can be operated on line. Two-dimensional code / bar code scanning has built in to identify the components, so as to avoid confusion with disk materials and the components, effectively preventing error patch.



优点 Advantages

- ◎ 优化的空间配置
Optical storage location
- ◎ 和传统料仓比其增加了 70% 的使用空间
Increasing 70% storage location compared with traditional warehouse
- ◎ 取料时间少于 12 秒
Picking time is less than 12 seconds
- ◎ 可以存储多达 658 个料盘
At most 658pcs of materials could be stored in one SMD tower
- ◎ 设备内部环境控制
Internal environment control
- ◎ 防静电和防潮保护
Anti-static and moisture protection
- ◎ 内置条形码扫描
Built in bar code scanning
- ◎ 库存管理优化
Optimization of inventory management
- ◎ 可以根据贴片工艺设置取料顺序
Picking order setting according to process
- ◎ 扩展接口可以与 ERP 通讯
Extended interface are left to communicate with ERP
- ◎ 可以扩展至更多模块
Other optional extended modules



立体仓库系统

AUTOMATED WAREHOUSE SYSTEM

为客户提供立体仓库系统、物料分拣搬运系统、物料管理系统的专业化方案定制，实现前期规划、项目实施、项目维保的一体化服务。

Provide professional solutions of automated warehouse system, material sorting & handling system, material management system for customers to achieve integrated services of pre planning, project implementation, and project maintenance.



各类非标设备

CUSTOM MADE TYPE

我所可根据用户具体需求，为用户量身定做各种类型的仓储设备。无论是诸如电子元器件类的微小物件，还是板材、棒料、型材等 超大、超长、超重型物件，我们都能设计出最贴近您需求的现代化仓储方案，并提供包括产品制造、现场安装、调试、备品备件供应及售后的各项服务内容。

We can design various kinds of storage equipments according to your specific demands. No matter what you need to store, for example, pint-sized materials like electric elements, or large-sized materials like steel plates, we can work out the optimal solution for you. Besides, we offer a complete set of service including product manufacture, field installation, debugging, spare parts supply and after-sales service.



20 米穿楼升降货柜
20m high vertical lift cross sing through floors



高温自动货柜
High temperature storage system



低温自动货柜
Low temperature storage system



多工位出货口式升降货柜
Multi picking opening



管材库
Bar tube storage system



辊子库
Roller storage system

选配功能模块

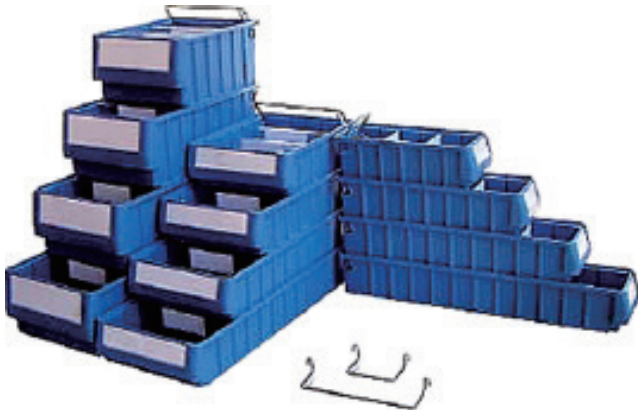
Optional modules

- 防静电性能 Anti-static
- 除湿 Dehumidification
- 控温 Temperature contro
- 监控系统 Surveillance system
- 货位指示 Locator instructions
- 输送小车 Transport trolley
- 选配物料盒 Optional plastic boxes



选配物料盒

Optional plastic boxes



仓库管理系统

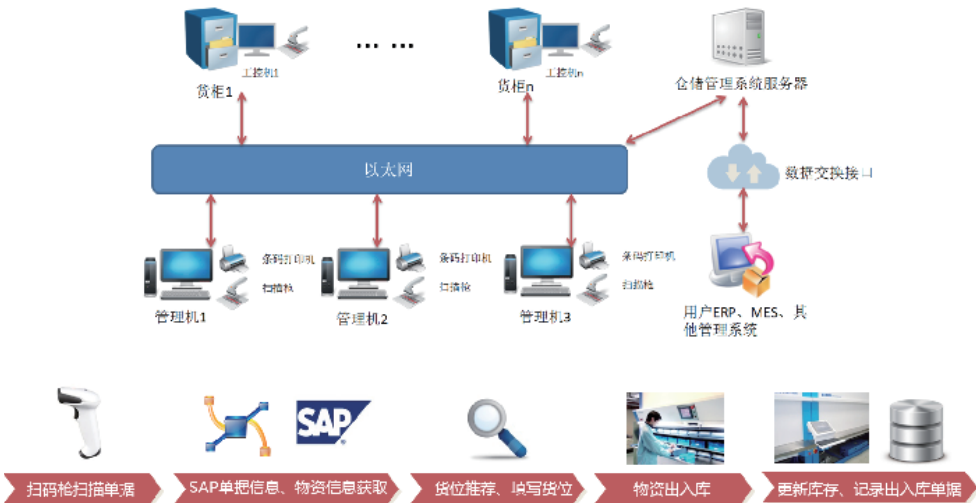
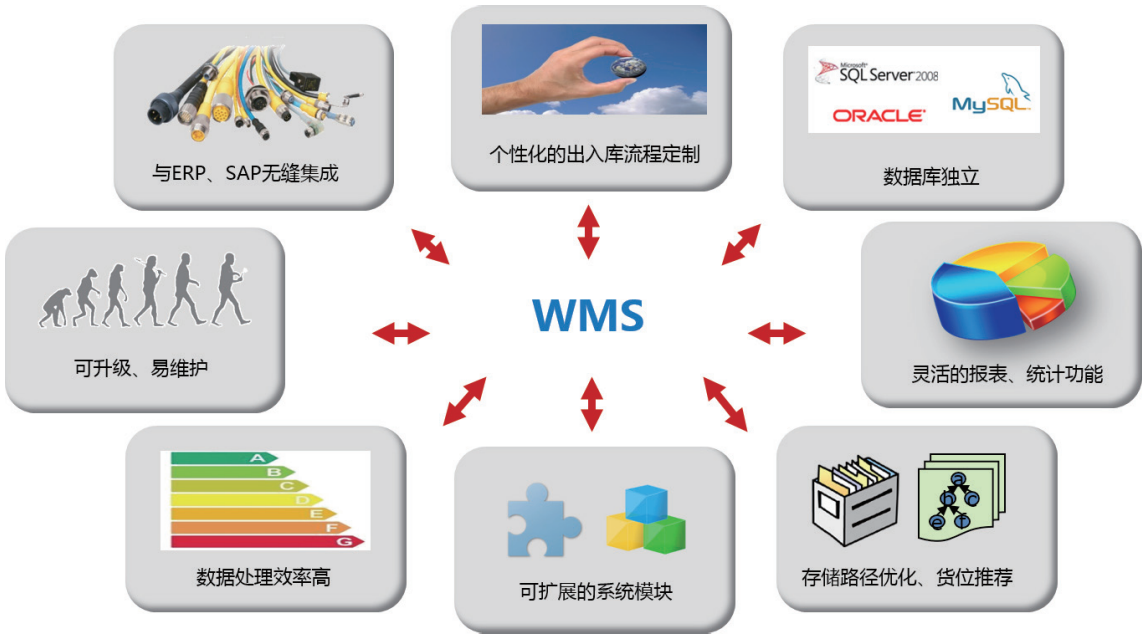
WMS

自动货柜仓库管理系统（WAREHOUSING MANAGEMENT SYSTEM FOR VERTICAL STORAGE SYSTEMS，简称 WMS）是在仓库管理系统的基础上，结合自动货柜运行和货位管理等功能，实现仓库作业和库存控制作业等信息化、自动化，从而实现真正意义上的“由物到人”。

The warehouse management system offered by us is simple to operate. With its powerful functions, it receives and processes quantities of information rapidly, then it responds with required instructions and signals. The system can be installed in various devices and integrate with enterprise's MRP/ERP system seamlessly.

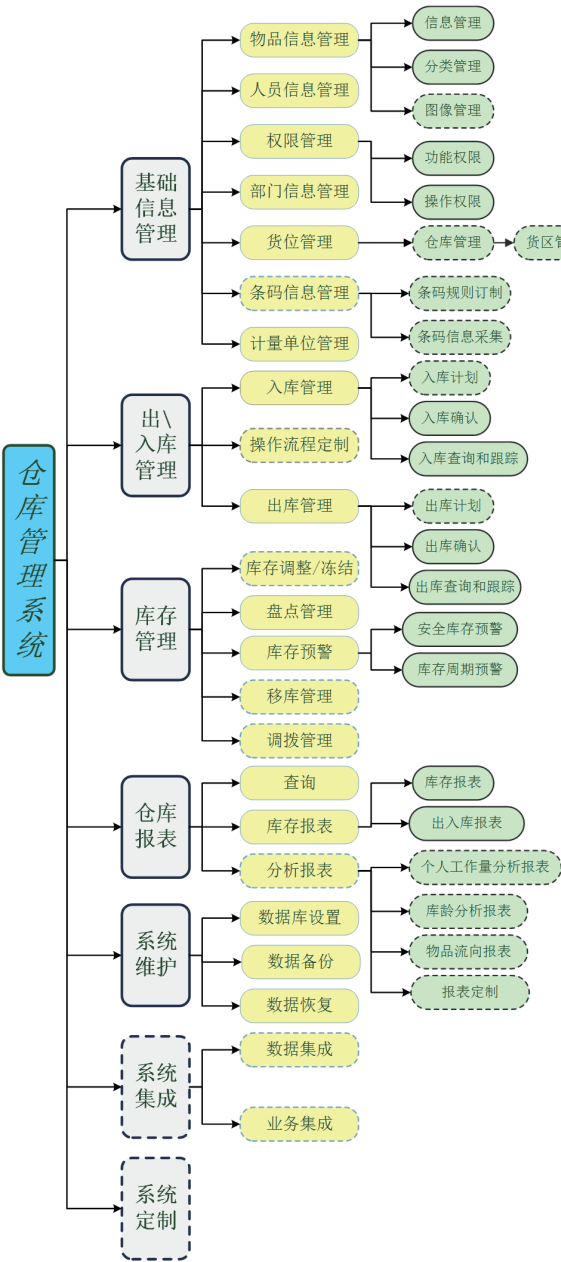
当企业采用 ERP、SAP 等管理系统时，WMS 可以通过数据库、WEB SERVICE、RFC、HTTP SOCKET 等多种接口方式进行系统集成，从而将原有的分散式管理，变为集中管理。

When companies using ERR SAP and other management systems, WMS systems can be integrated with ERR SAP, and other manage system through the database, WEB SERVICE, RFC, HTTP SOCKET, etc. realizing centralized control



仓库管理系统功能模块

Function modules of WMS



仓库管理系统特点

Characteristics of the system

- 完全自主开发，可以根据客户需求进行订制开发；
Fully developed and can be customized according to customer demand
- 清爽友好的操作界面；
Fresh and friendly user interface
- 系统具有中文\英文版本；
With Chinese\English version
- 系统具有极强的集成能力，灵活的接口方式，能够和 ERP、SAP、MES 等系统进行集成
with strong integration capabilities & flexible interface mode, the system can be easily integrated with ERR SAP, MES systems
- 物料出入库符合先进先出 / 先进后出 / 后进后出等常规原则，能够实现业务批次管理；
Easy to achieve business batch management
- 优秀的可维护性和极低的维护成本；
Excellent maintainability and low maintenance costs
- 极快的响应速度，只受网络宽带限制；
Fast response, it is only limited by the network bandwidth
- 极强的拓展能力；
Strong expanding ability
- 准确的数据管理，更加完善的基础资料管理和文档报表管理，利用率高。
Accurate data management, more comprehensive data management & documentation reports management

* 虚线框项目为选配项 *Dotted line items are optional





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