

PLAN TIME AND
SPACE, CREATE
THE FUTURE

规划未来，智造而来

江苏欧标智能储存科技有限公司
JIANGSU EBIL INTELLIGENT STORAGE TECHNOLOGY CO.,LTD.

研发中心 / R&D Center

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制造基地 / Manufacturing Base

1 地址：中国·南京高淳高新经济开发区秀山路61号

Address: No.61, Xiushan Road, Gaochun Economic Development Zone, Gaochun District, Nanjing City, China.

2 地址：中国·广州市花都区炭步镇民主村小塘路村口1号

Address: No. 1, Xiaotang Road, Tanbu Town, Huadu District, Guangzhou City





• 20项+

专利

More than 20
patents

2个现代化

生产制造基地

Two modern
manufacturing bases

多

项资质认证

Multiple qualification
certifications

远销国家

100+
countries

企业概况 COMPANY PROFILE

江苏欧标智能储存科技有限公司简称“欧标智能”，致力于企业自动化立体仓储物流规划设计、系统集成、项目实施和售后维保。总部位于江苏高淳高新技术开发区，拥有2个自己的现代化生产制造基地，1个专业项目系统规划集成公司，提供货架、穿梭板、穿梭母车、RGV穿梭车、提升机、AGV、巷道堆垛机、自动输送设备等物流系统的自动化电气和软件等。

欧标智能有过硬的技术攻关队伍、高素质的管理人才。公司现有生产员工160名，管理和服务人员30人，机械、电气、软件工程师共计40余名。 欧标智能始终重视产品的创新与研发，不但拥有自己的研发团队，与国内知名研究院所如浙江大学、东南大学、华南理工大学、南京航空大学等合作，不断提升企业的技术力量。

欧标智能产品已经通过了ISO9001:2000和欧洲VOV实验室的CE认证，并获得多项国家专利和软件著作权。产品广泛应用于机械、电子、电力电网、新能源、石油化工、汽车、造纸、家具、煤炭、医药、食品、轻工、烟草、纺织、航空航天、部队、铁路、民航、港口、冷藏、物流等行业。产品深得上海大众、冠盛汽配，九州通医药，华英集团，伟星股份，安吉物流等一流企业的一致好评，产品畅销国内外。

欧标智能自成立以来，发展迅速，是一家快速成长的高科技智能制造企业。我们将秉承“诚信第一 客户至上”的企业精神愿与各界朋友携手合作，共同发展，互利双赢，为开创美好的明天而不懈努力。

Jiangsu EBIL Intelligent Storage Technology Co., Ltd., "EBILTECH" for short, is committed to the planning, design, system integration, project implementation and after-sales service for automation three-dimensional warehousing logistics projects. With its headquarter located in Gaochun High-tech Development Zone, Jiangsu, EBILTECH owns two modern manufacturing bases, a professional project system planning and integration company, providing the automated and intelligent products of logistics system such as rack, pallet runner, shuttle carrier, RGV shuttle carrier, elevator, AGV, aisle stacker, automatic transport system and other electrical automation and software of the logistics system.

EBILTECH enjoys a strong technical team and high-quality management personnel. The company has 160 production personnel, 30 management and service personnel, and more than 40 mechanical, electrical and software engineers. EBILTECH always attaches great importance to product innovation and R&D. It not only has its own research and development team, but also cooperates with domestic well-known research institutes such as Zhejiang University, Southeast University, South China University of Technology, Nanjing University of Aeronautics and Astronautics, etc., so as to continuously enhance the technical strength of the enterprise.

EBILTECH products have passed the certifications of ISO9001:2000 and CE European VOV Laboratory, and obtained a number of national patents and software copyrights. The products are widely used in machinery, electronics, electric power and grid, new energy, petrochemical industry, automobile, paper making, furniture, coal, medicine, food, light industry, tobacco, textile, aerospace, military, railway, civil aviation, port, refrigeration, logistics and other industries. They are well received by first-class enterprises including Shanghai Volkswagen, Guansheng Auto Parts, JOINTOWN Pharmaceutical Group, Huaying Group, VASEN, Saic Anji Logistics, and well sold both at home and abroad.

DEVELOPMENT HISTORY

发展历程

辉煌12年

12 Years Of Glory



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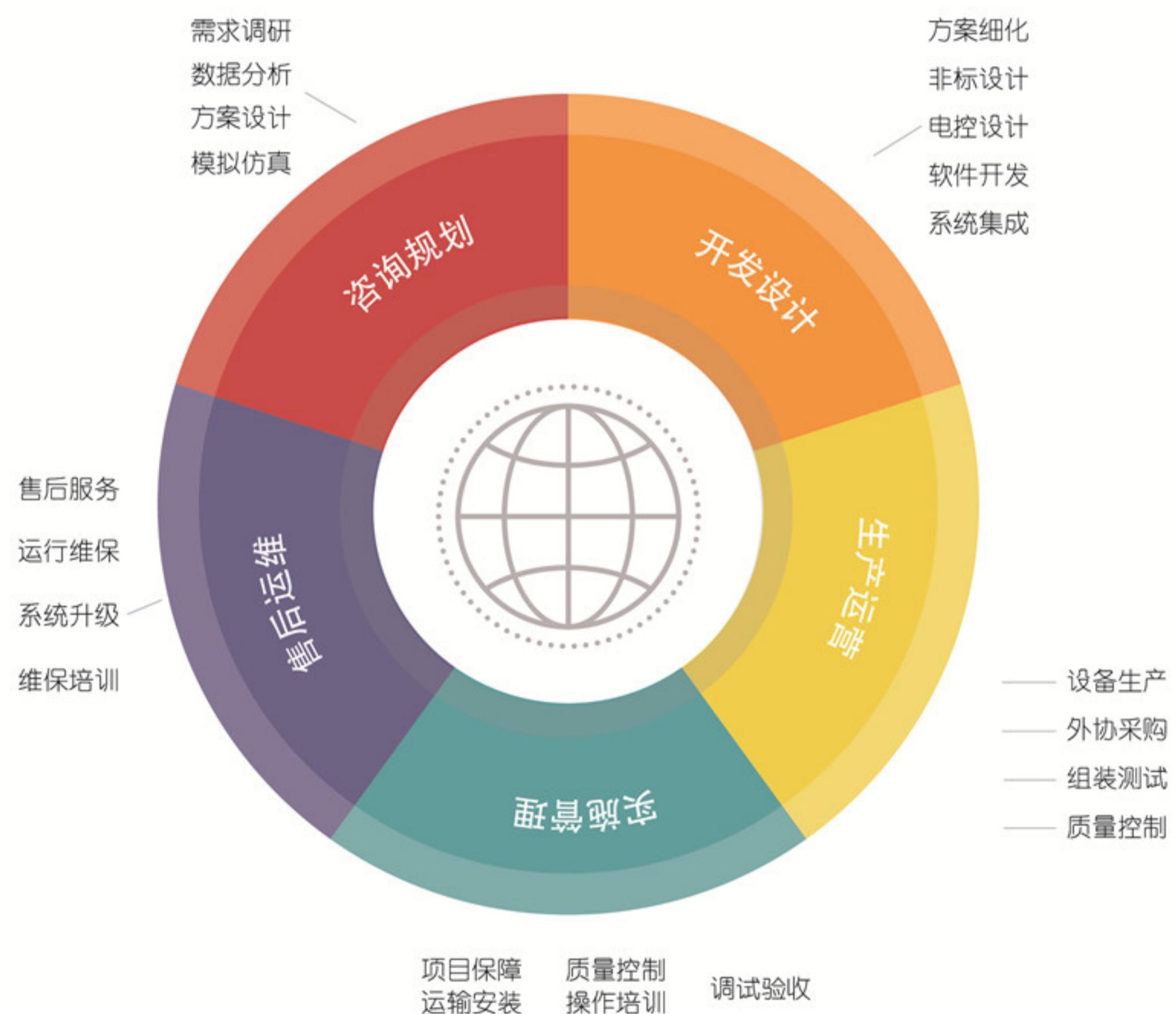
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01

OVERALL Operation Process

整体运作流程



欧标智能着重规划，产品智造。从客户需求出发，尊重客户现有的产品运作和管理模式，充分考虑客户未来的发展和现代化管理需求。结合产品的研发，进行项目的咨询规划、产品的开发设计、设备的生产运营、现场的实施管理和项目的售后运维。本着“专一专业，服务至上”的服务宗旨，让客户在产品生命周期内体验专业专心的服务，感受省心省力的心情。

Consulting and planning	Demand research Data analysis Conceptual design Analog simulation
Development and design	Program refinement Non-standard design Electronic control design Software development System integration
Production operation	Equipment production Outsourcing purchase Assembly and testing Quality control
Implementation management	Project assurance Transportation and installation Quality control Operation training Debugging and acceptance
After-sales operation and maintenance	After-sales service Operation and maintenance System upgrading Maintenance training

Ebil Intelligent focuses on planning and intelligent manufacturing of products. Proceeding from customer demands, it respects the existing product operation and management mode of customers, and takes full account of their future development and modern management needs. Through combining product research and development, it carries out the project consultation planning, product development design, equipment production and operation, on-site implementation management and project after-sales operation and maintenance. Adhering to the service tenet of "being dedicated, professional, service-oriented", it provides customers with professional and concentrated service within the product life cycle to free them from worries and efforts.

02

智能物流解决方案

INTELLIGENT LOGISTICS SYSTEM SCHEME

智能物流解决方案



1

Radio Shuttle Racking Scheme

穿梭车货架
系统方案



优势与特点

1. 容积率提高；
2. 比人工叉车出入库效率高；
3. 人工遥控操作，实现半自动入库与出库；
4. 出库方式：先进先出/先进后出；

Advantages and Characteristics

1. Increased volume ratio;
2. Higher than manual forklift warehouse-in/out efficiency ;
3. Manual remote control, realizing semi-automatic warehouse in/out;
4. Out-of-stock mode: First in first out/first in last out;

 1 机械手码垛机
Stacker manipulator

 2 视觉AGV
Visual AGV

 3 穿梭子车
Pallet Runner

 4 烟雾警报器
Smoke alarm

托盘尺寸 Pallet size	L1200 x W1000 x H1150
重量 Weight	1000kg/pallet
货位 Cargo space	36 rows x 19 columns x 6 levels
存储共计 Total Storage	4104 pallets
货架占地面积 Floor area of rack	47m long x 23m wide x 9m high

2

Stacker Crane + Pallet Runner System

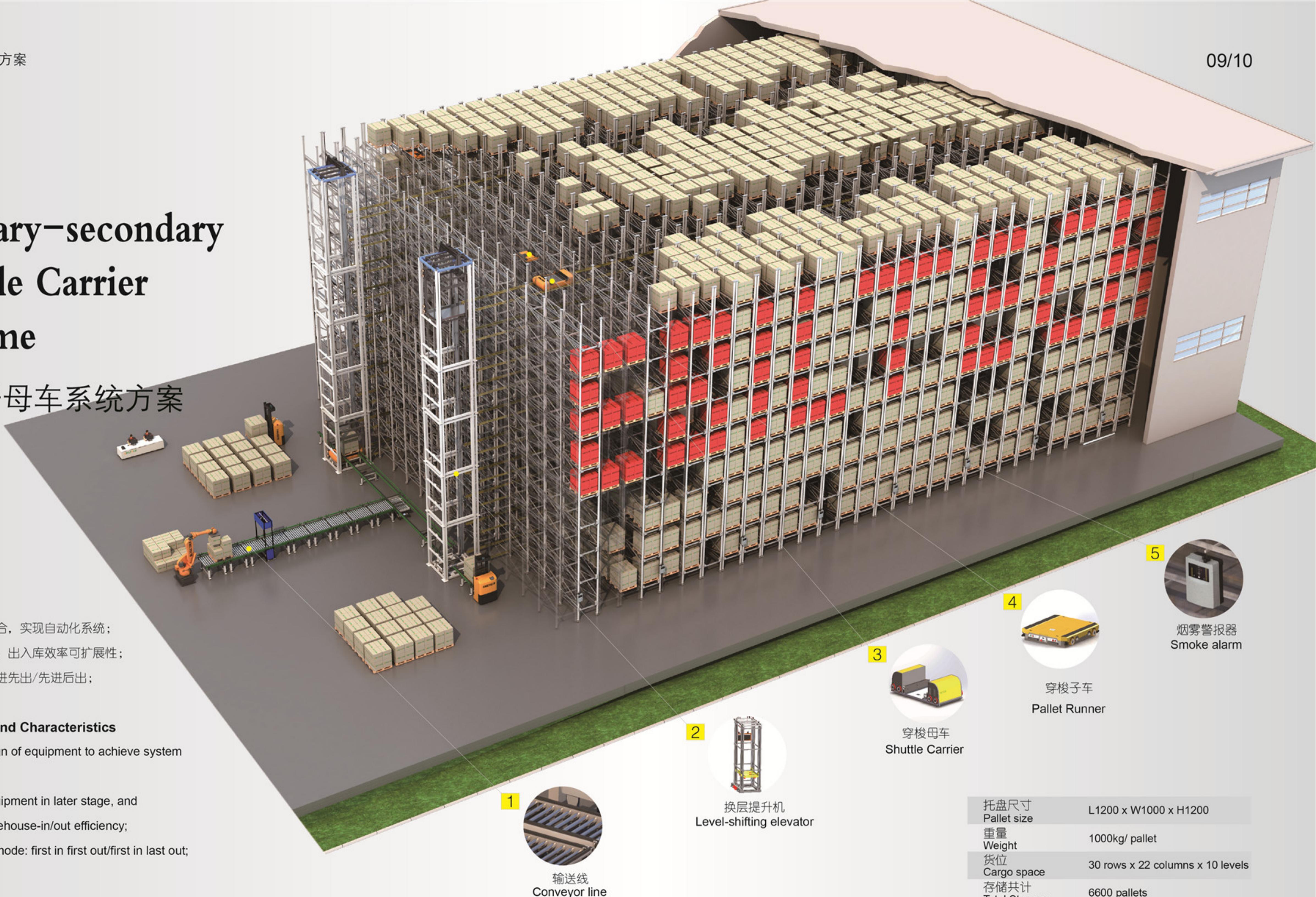
堆垛机+穿梭子车系统



3

Primary–secondary Shuttle Carrier Scheme

穿梭子母车系统方案



优势与特点

1. 设备模块化组合，实现自动化系统；
2. 后期增加设备，出入库效率可扩展性；
3. 出库方式：先进先出/先进后出；

Advantages and Characteristics

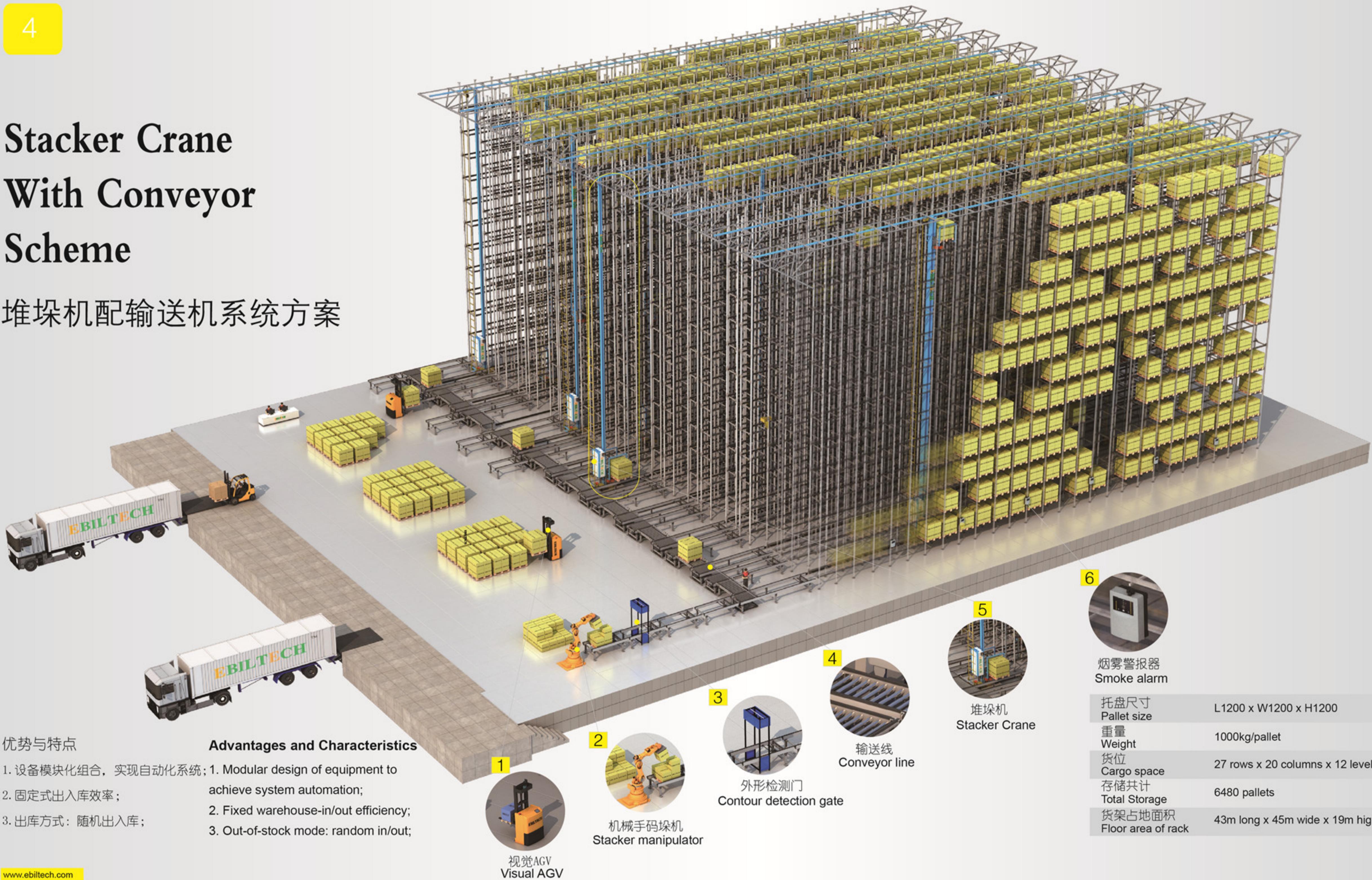
1. Modular design of equipment to achieve system automation;
2. Additional equipment in later stage, and expandable warehouse-in/out efficiency;
3. Out-of-stock mode: first in first out/first in last out;

托盘尺寸 Pallet size	L1200 x W1000 x H1200
重量 Weight	1000kg/ pallet
货位 Cargo space	30 rows x 22 columns x 10 levels
存储共计 Total Storage	6600 pallets
货架占地面积 Floor area of rack	36m long x 32m wide x 16m high

4

Stacker Crane With Conveyor Scheme

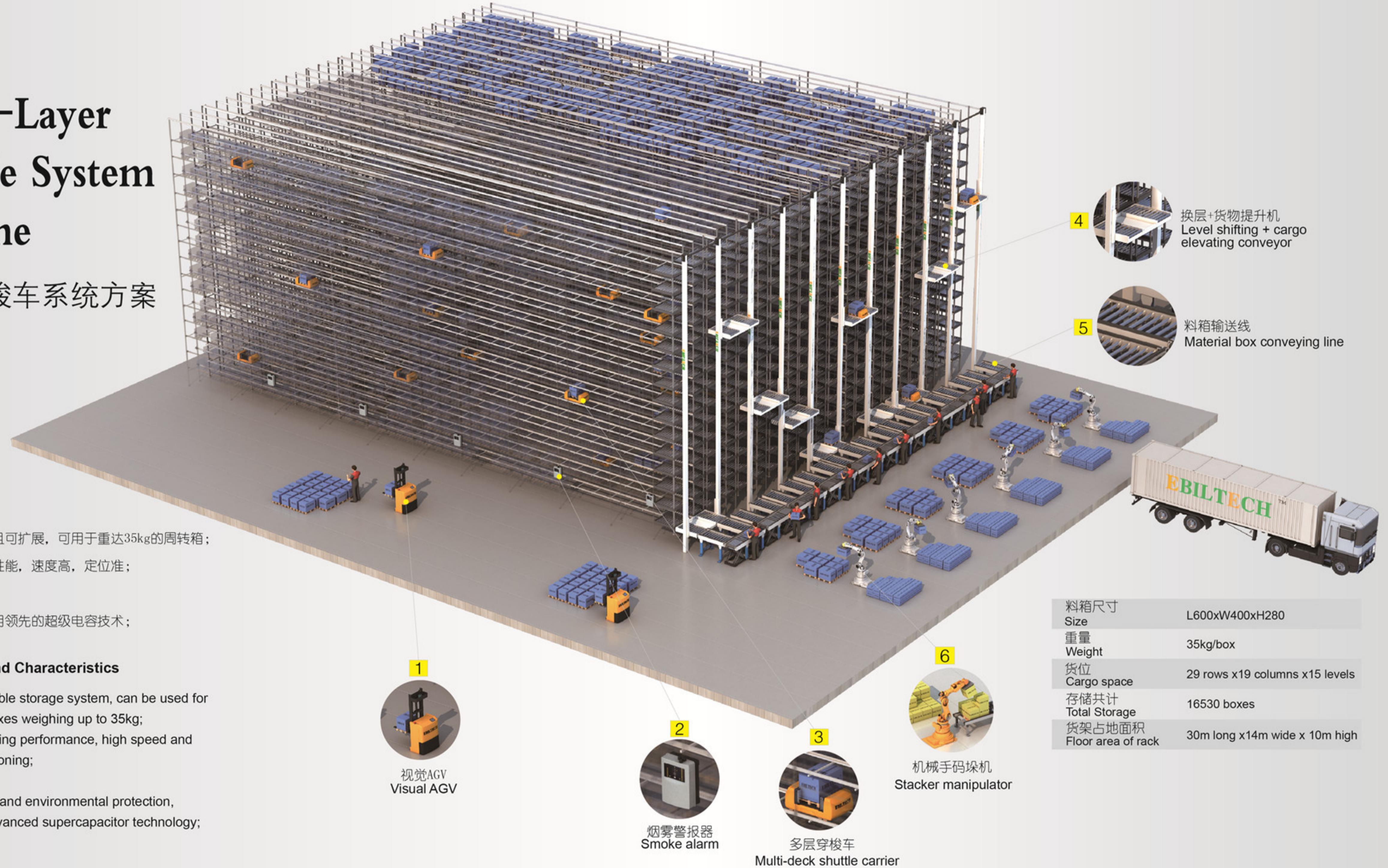
堆垛机配输送机系统方案



5

Multi-Layer Shuttle System Scheme

多层穿梭车系统方案



6

Four-way Shuttle System Scheme

四向穿梭车系统方案

优势与特点

1. 四向穿梭车是一款既能实现纵向行走亦能实现横向行走的智能搬运设备。
2. 四向穿梭车的灵活性高，可任意变换作业巷道，并通过增减穿梭车的数量来调节系统能力，必要时可通过组建作业车队的调度方式，来应变系统的峰值，解决出入作业的瓶颈。
3. 四向穿梭车可以相互替换，当某台穿梭车或提升机出现故障时，可通过调度系统调度其它穿梭车或提升机，继续完成作业，系统能力不受影响。
4. 四向穿梭车，既适合低流量、高密度的存储，也适合高流量、高密度的存储，它可以实现效率、成本、资源的最大化。

Advantages and Characteristics

1. The four-way shuttle is an intelligent handling device capable of both vertical and horizontal traveling.
2. The four-way shuttle is highly flexible, which can freely change the operation aisle. In addition, it is possible to adjust the system capacity by adding or reducing the number of shuttles. When necessary, a shuttle fleet may be established to respond to the system peak, thus solving the bottleneck of entry and exit operations.
3. Four-way shuttles are interchangeable. When a shuttle or lift fails, other shuttles or lifts can be dispatched by the dispatching system for completing the operation without affecting the system capacity.
4. The four-way shuttle is not only suitable for low-flow and high-density storage, but also suitable for high-flow and high-density storage. It can maximize the efficiency, cost and utilization of resources.



03

托盘类自动化设备

Pallet type automation equipment

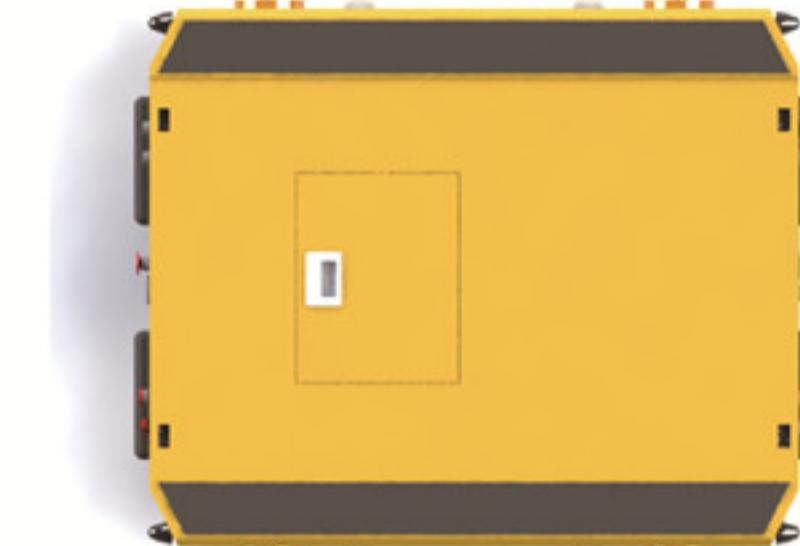
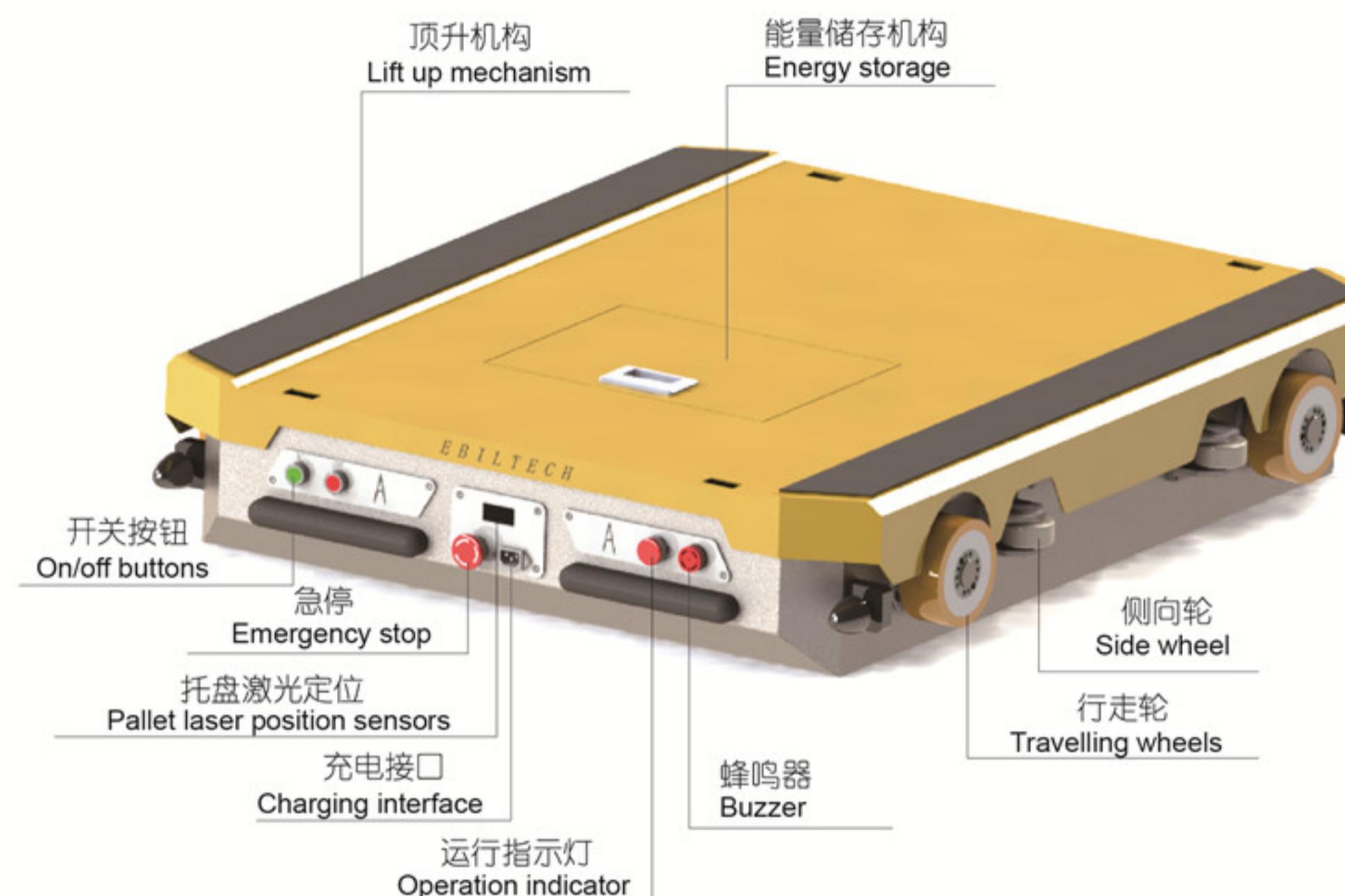
INTELLIGENT
LOGISTICS
CORE EQUIPMENTS

智能物流核心设备



Pallet Runner

穿梭板



特点：
Characteristics



高密度存储
High intensity storage



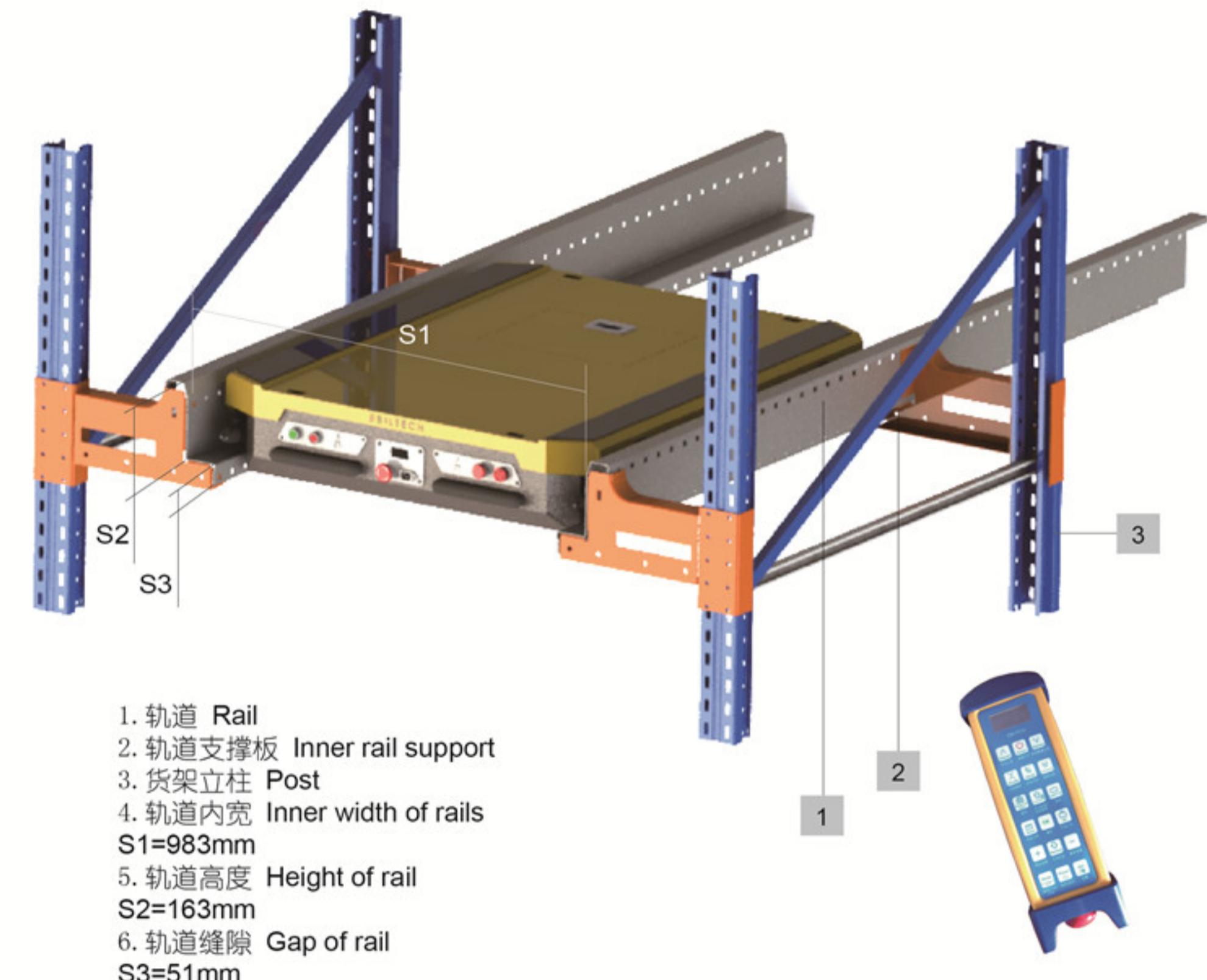
先进先出
First in first out



先进后出
First in last out



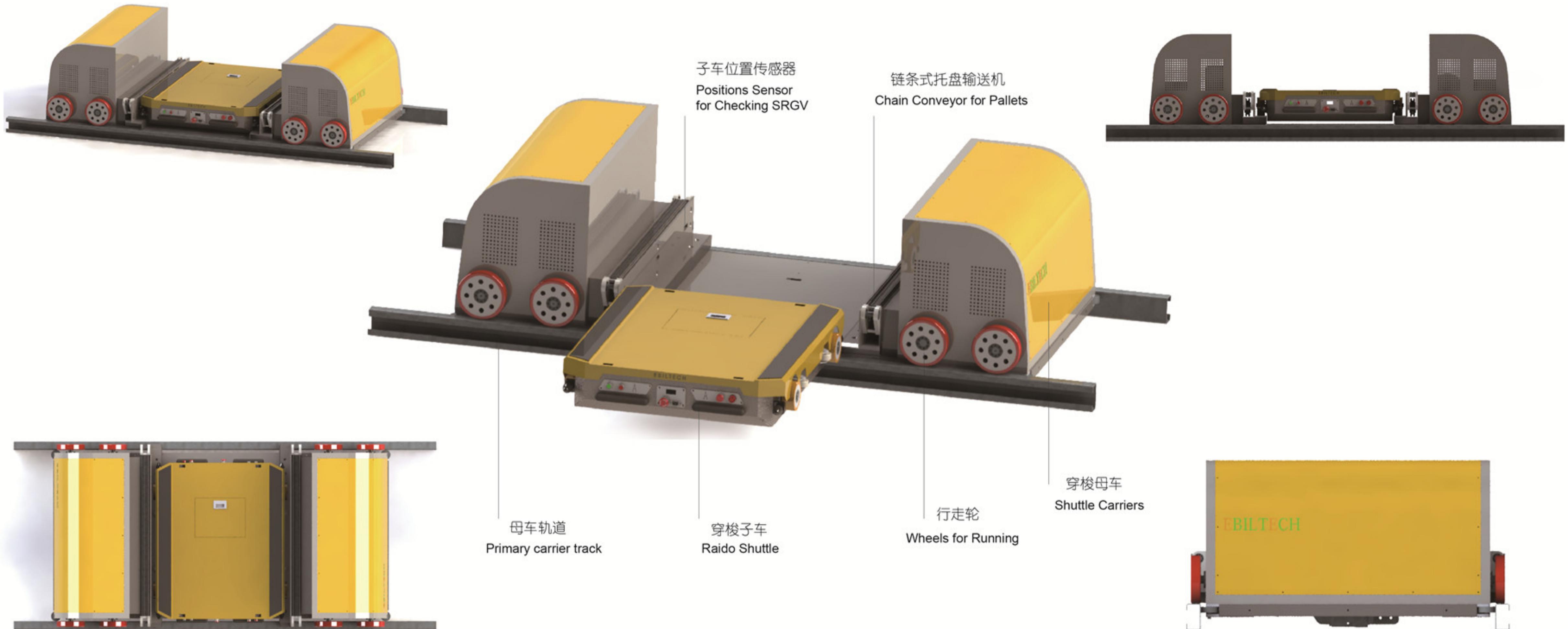
适合长期存储的产品
Products suitable for long-term storage



额定负载 Rated load	500kg、1000kg、1500kg、2000kg
设备种类 Type of equipment	标准版、高配版、网络版、冷库版、立库版
抬升高度 Lifting height	40M
最大行走速度 Maximum travel speed	60M/MIN
最大抬升速度 Maximum lifting speed	6M/MIN
最大行走加速度 Maximum walking acceleration	$\leq 0.5\text{M/S}^2$
最大抬升加速度 Maximum lifting acceleration	$\leq 0.1\text{M/S}^2$
适用于密集存储，适用于载荷 $\leq 1500\text{kg}$ Equipment applicable to intensive storage with a load $\leq 1500\text{kg}$	

Shuttle Carrier

穿梭母车



特点: Characteristics

完美结合自动化
Perfect integration of automation system
www.ebilitech.com

先进先出
First in first out

先进后出
First in last out

低仓库建筑格局要求
Lower warehouse layout requirements

仓储布局灵活
Flexible warehouse layout

额定负载 Rated load	500kg、1000kg、1500kg
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最大行走速度 Maximum travel speed	160M/MIN
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最大输送速度 Maximum conveying speed	16M/MIN
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最大行走加速度 Maximum walking acceleration	<=0.5M/S^2
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最大输送加速度 Maximum conveying acceleration	<=0.2M/S^2
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适用于密集存储，适用于载荷<=1500kg Equipment applicable to intensive storage with a load ≤1500kg	
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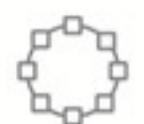
Level-shifting Elevator

换层提升机



额定负载 Rated load	500kg、1000kg、1500kg
最大提升速度 Maximum lifting speed	40M/MIN
最大提升加速度 Maximum lifting acceleration	$\leq 0.5\text{M/S}^2$
适用于密集存储母车换层，适用于载荷≤1500kg Applicable to intensive storage level shifting by primary carrier with load ≤1500kg	

特点: Characteristics



采用闭环控制
Adoption of closed loop control



性能高效
High Performance and efficiency



可实现不同层作业
Operations at different levels can be realized



适用于多层自动化库项目
Applicable to automatic multi-level warehousing project

Kargo Elevating Conveyor

货物提升机



额定负载 Rated load	500kg、1000kg、1500kg
最大行走速度 Maximum travel speed	40M/MIN
最大输送速度 Maximum conveying speed	16M/MIN
最大行走加速度 Maximum walking acceleration	$\leq 0.5\text{M/S}^2$
最大输送加速度 Maximum conveying acceleration	$\leq 0.2\text{M/S}^2$
适用于密集存储，适用于载荷≤1500kg Equipment applicable to intensive storage with a load ≤1500kg	

特点: Characteristics



设计理念先进
Advanced design concept



定位精度高
High positioning accuracy



垂直运行平稳
Smooth operation in vertical direction



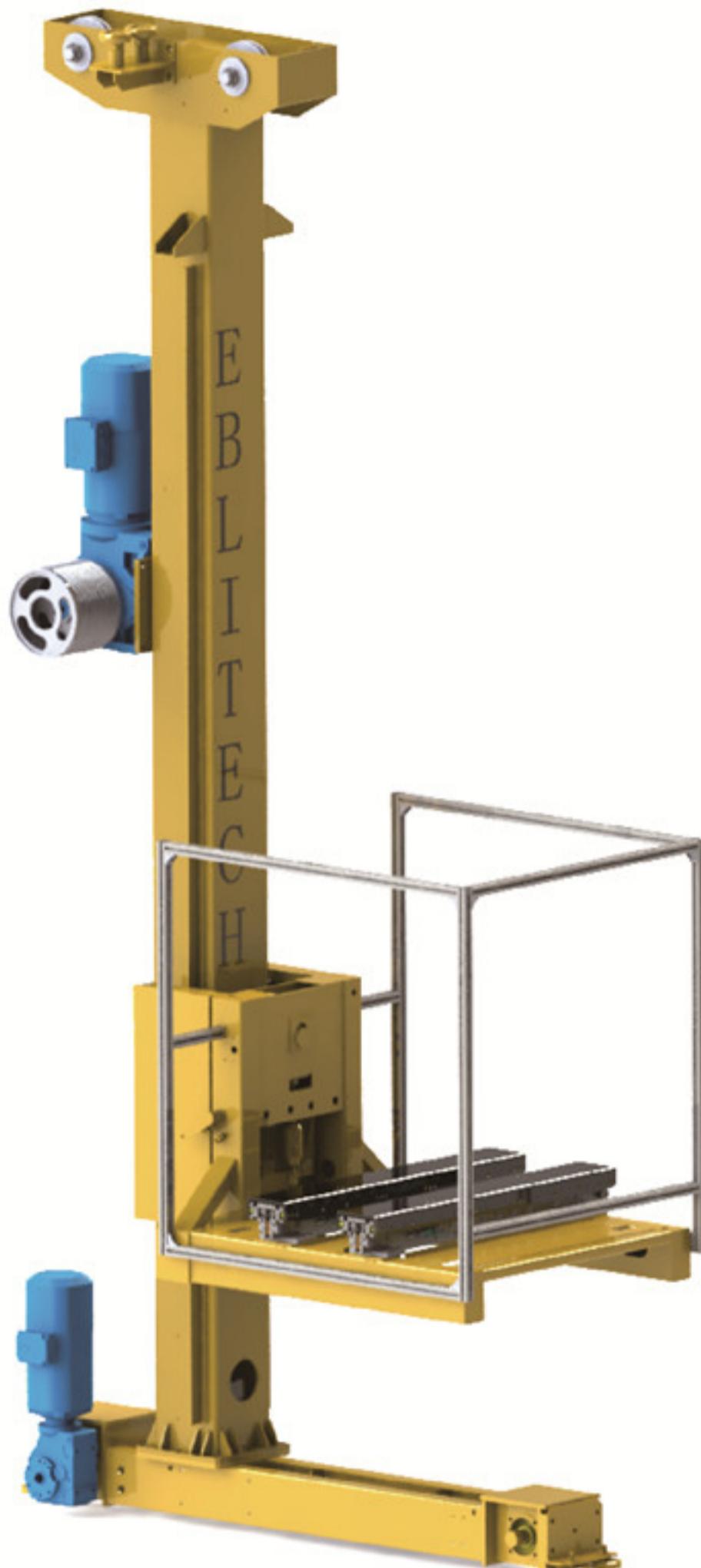
无沉降现象
No settlement



速度快
Fast speed

Single Column Stacker

单立柱堆垛机



额定负载 Rated load	500kg、1000kg
堆垛机高度 Height of stacker	<=12M
型号 Model	直轨、弯轨、转轨、道岔、单伸位、双伸位
最大行走速度 Maximum travel speed	180M/MIN
最大提升速度 Maximum lifting speed	60M/MIN
最大货叉速度 Maximum fork speed	40M/MIN
最大行走\提升\货叉加速度 Maximum walking \ elevating \ fork acceleration	<=0.5M/S^2
适用于载荷<=1000kg, 高度<=12M Applicable to load ≤1000kg and height ≤12M	

特点:
Characteristics



结构简约, 简单实用
Simplified structure,
easy for use



巷道占宽小
Narrow width of aisle



不易失稳
No tendency of instability



模块化部件
Modular component

Double Column Stacker

双立柱堆垛机



额定负载 Rated load	500kg、1000kg、1500kg
堆垛机高度 Height of stacker	<=24M
型号 Model	直轨、弯轨、转轨、道岔、单伸位、双伸位
最大行走速度 Maximum travel speed	180M/MIN
最大提升速度 Maximum lifting speed	60M/MIN
最大货叉速度 Maximum fork speed	40M/MIN
最大行走\提升\货叉加速度 Maximum walking \ elevating \ fork acceleration	<=0.5M/S^2
适用于载荷<=1500kg, 高度<=24M Applicable to load ≤1500kg and height ≤24M	

特点:
Characteristics



结构设计成熟可靠
Proven and reliable
structure design



晃动幅度小
Small amplitude
of swing



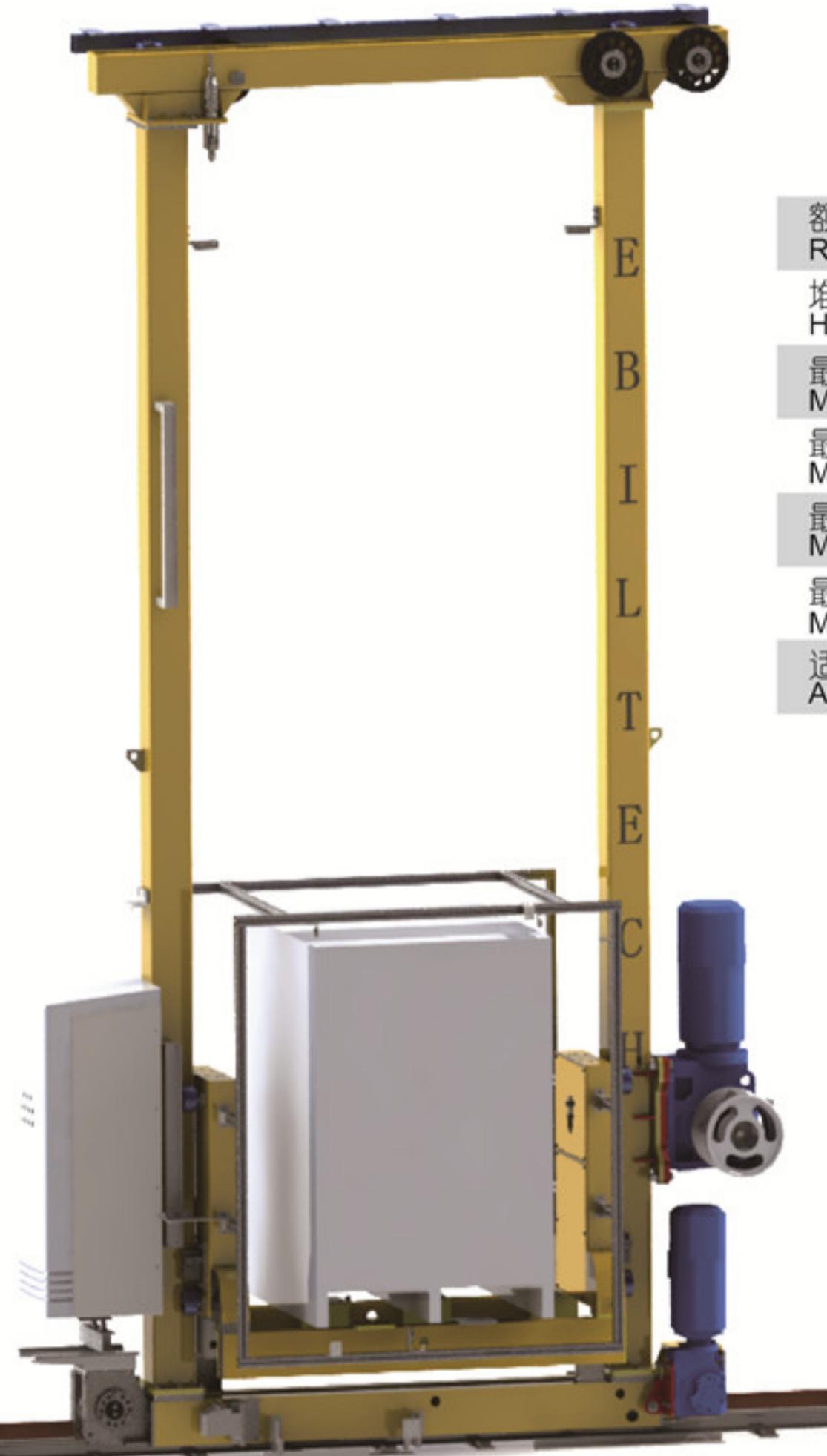
足够的强度及刚性要求
Sufficient strength and
rigidity requirement



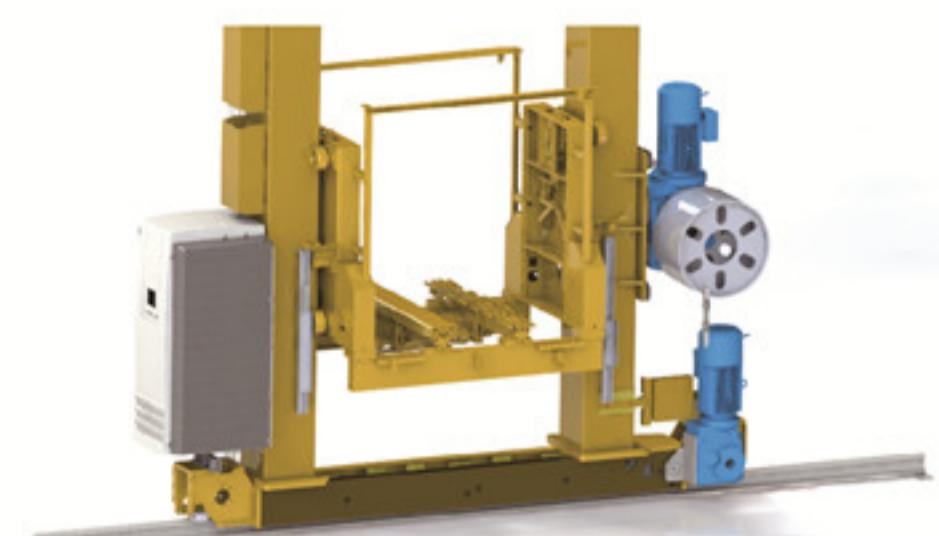
传动和布置较复杂
Complicated transmission
and arrangement

Heavy Stacker

重型堆垛机



额定负载 Rated load	2000kg、2500kg、 3000kg、3500kg
堆垛机高度 Height of stacker	<=16M
最大行走速度 Maximum travel speed	80M/MIN
最大提升速度 Maximum lifting speed	30M/MIN
最大货叉速度 Maximum fork speed	30M/MIN
最大行走\提升\货叉加速度 Maximum walking \ elevating \ fork acceleration	<=0.2M/S^2
适用于重型货物，适用于载荷<=3500kg，高度<=16M Applicable to heavy cargo with load ≤3500kg and height ≤16M	



特点：
Characteristics



大载荷，结构厚重
Heavy load,
robust structure



寿命长、维护成本低
Long service life and
low maintenance cost



故障率低
Low failure rate



定位准确
Accurate positioning

Pallet Conveyor

托盘输送机



链条输送型



辊筒输送型

Chain conveyor type

Roller conveyor type

额定负载 Rated load	500kg、1000kg、1500kg、2000kg 3000kg、3500kg
最大输送速度 Maximum conveying speed	16M/MIN
最大输送加速度 Maximum conveying acceleration	<=0.2M/S^2
表面处理和涂膜 Surface treatment and coating	机架喷塑，滚筒表面镀锌 Frame plastic sprayed and roller surface galvanized
适用于密集存储，适用于载荷<=3500kg Equipment applicable to intensive storage with a load ≤3500kg	

特点：
Characteristics



运行平稳可靠
Smooth and reliable
operation



模块化组合
安装，维护简便
Modular design,
easy installation
and maintenance



应用范围广
Wide range of
application



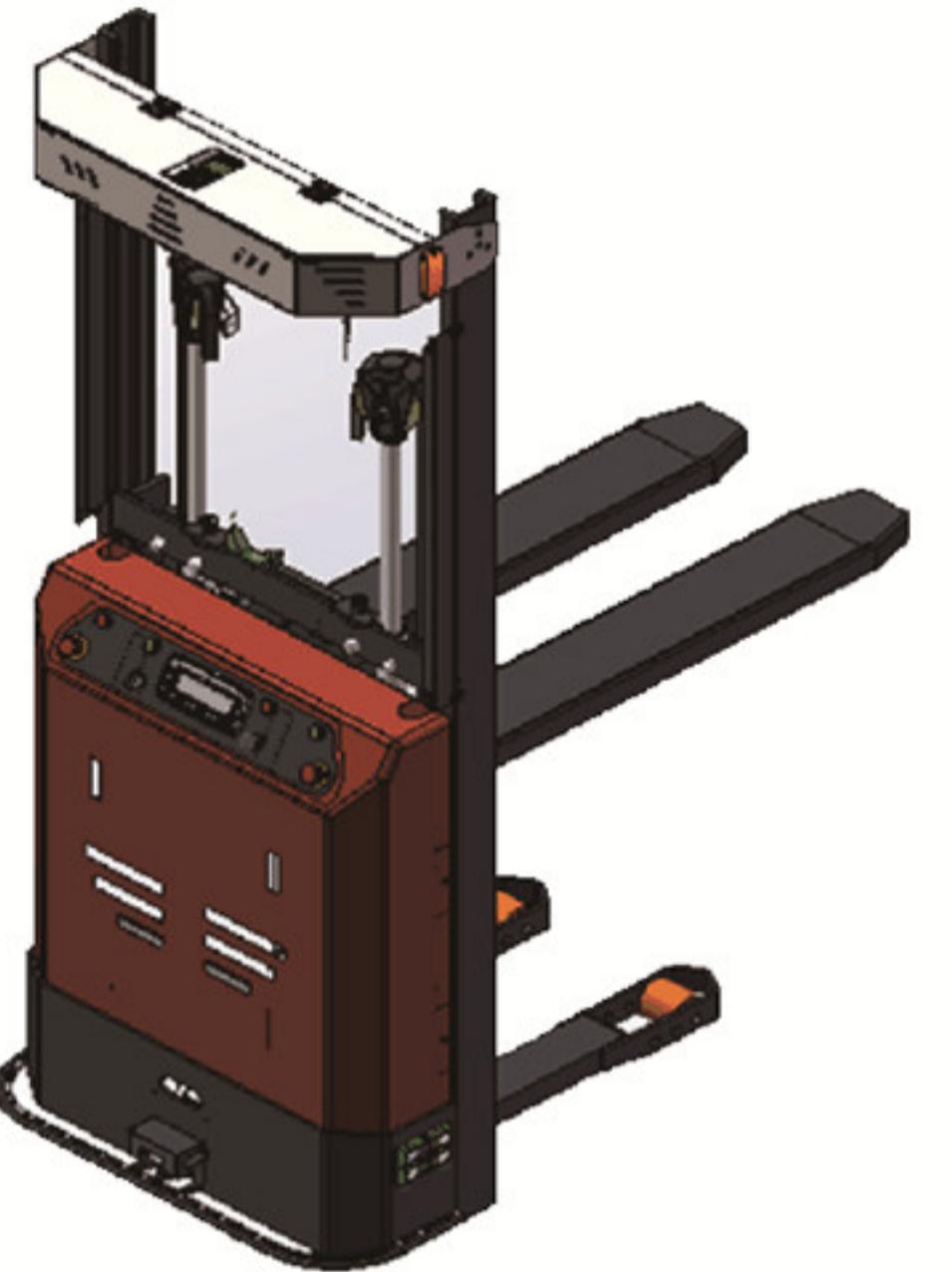
输送能力大
Large conveying
capacity



用作长距离输送
For long distance
transport

Visual AGV

视觉AGV



导航方式
Navigation way

导航精度
Navigation precision

停车精度
Parking precision

最大行走速度
Maximum travel speed

最大行走加速度
Maximum walking acceleration

适用于载荷≤1000kg, 提升高度3000mm
Applicable to load ≤1000kg, Lifting height 3000mm

视觉定位
Visual positioning

± 30mm

± 10mm

60M/MIN

0.2M/S²

特点:
Characteristics



高度智能化
Highly intelligent



柔性化
Flexible



适应多种工作环境
Adapt to a variety of working environments



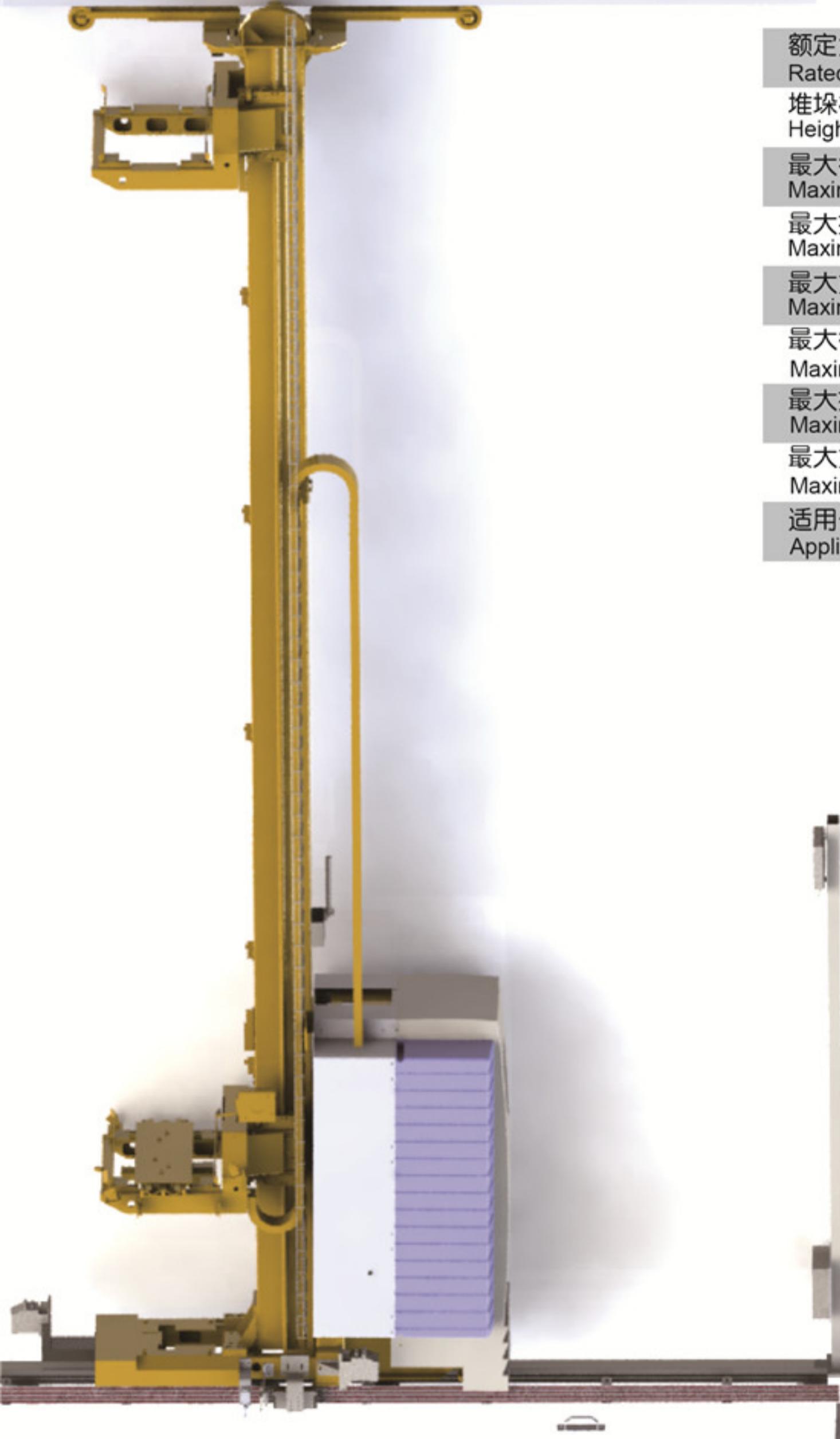
较高的定位精度和安全性
Higher positioning accuracy and safety



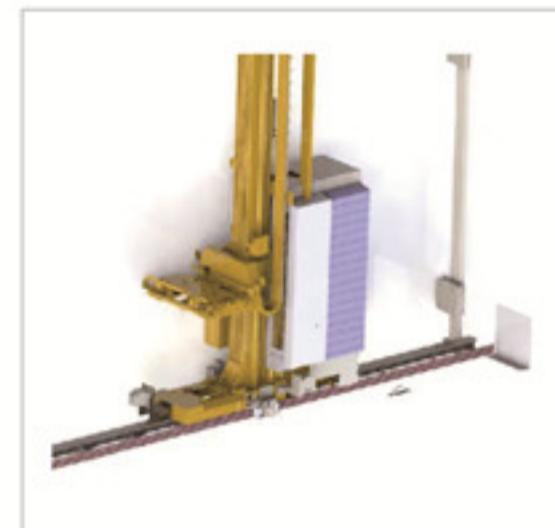
AUTOMATIC PRODUCT EQUIPMENT OF BOX-TYPE MATERIAL

料箱类自动化产品设备

MINILOAD Stacker MINILOAD堆垛机



额定负载 Rated load	50kg
堆垛机高度 Height of stacker	<=18M
最大行走速度 Maximum travel speed	240M/MIN
最大提升速度 Maximum lifting speed	90M/MIN
最大货叉速度 Maximum fork speed	60M/MIN
最大行走加速度 Maximum walking acceleration	1.0M/S^2
最大提升加速度 Maximum lifting acceleration	0.8M/S^2
最大货叉加速度 Maximum fork acceleration	0.5M/S^2
适用于载荷<=50kg, 高度<=18M Applicable to load ≤50kg and height ≤18M	



Multi-deck Shuttle Carrier 多层穿梭车



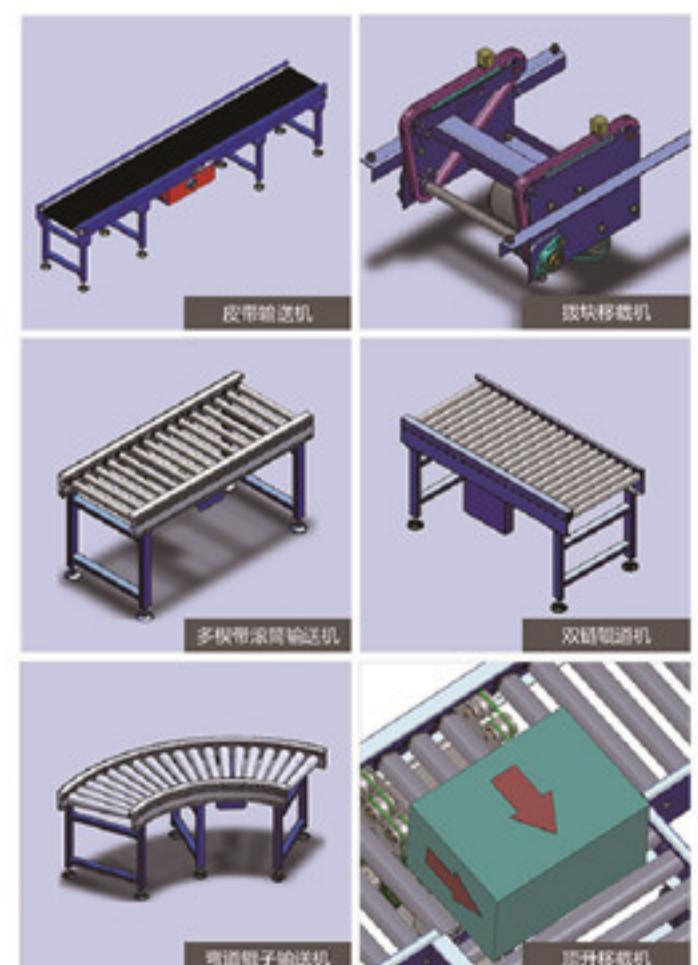
额定负载 Rated load	50kg
最大行走速度 Maximum travel speed	240M/MIN
最大货叉速度 Maximum fork speed	40M/MIN
最大行走加速度 Maximum walking acceleration	1.5M/S^2
最大货叉加速度 Maximum fork acceleration	0.5M/S^2
适用于载荷<=50kg Applicable to load ≤50kg	

Elevator for Material Box In/out of The Warehouse 料箱出入库提升机



额定负载 Rated load	50kg
最大提升速度 Maximum lifting speed	180M/MIN
最大辊道输送速度 Maximum roller table conveying speed	30M/MIN
最大提升加速度 Maximum lifting speed	1.5M/S^2
最大滚筒输送加速度 Maximum roller conveying acceleration	0.5M/S^2
适用于载荷<=50kg Applicable to load ≤50kg	

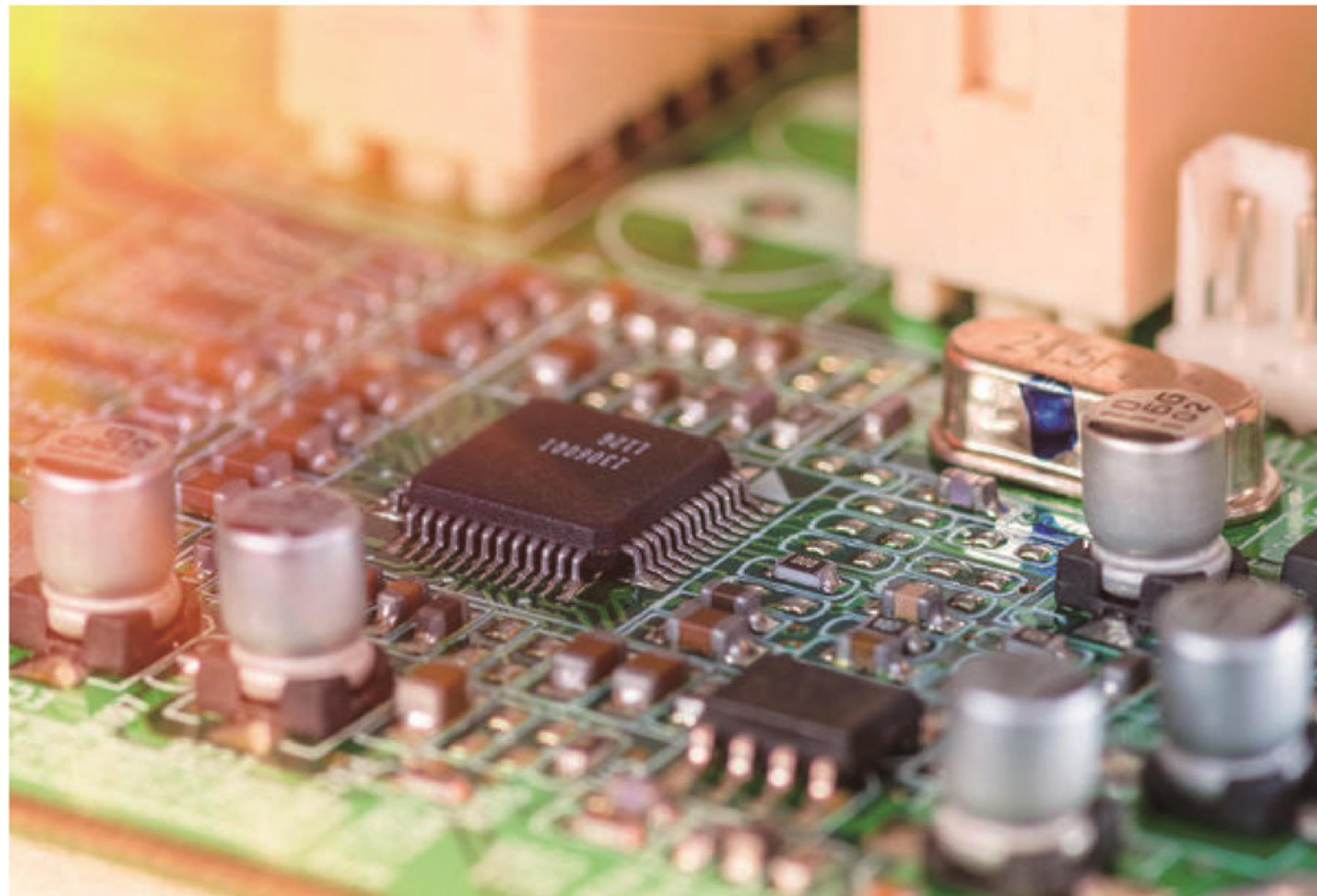
Material Box Conveyor 料箱输送机



额定负载 Rated load	50kg
最大输送速度 Maximum conveying speed	30M/MIN
最大输送加速度 Maximum conveying acceleration	0.5M/S^2
输送物料规格 Conveying material specification	600mm*400mm*280
表面处理和涂膜 Surface treatment and coating	机架喷塑，滚筒表面镀锌 Frame plastic sprayed and roller surface galvanized
适用于载荷<=50kg Applicable to load ≤50kg	

04

控制系统及管理软件 Control System And Management Software



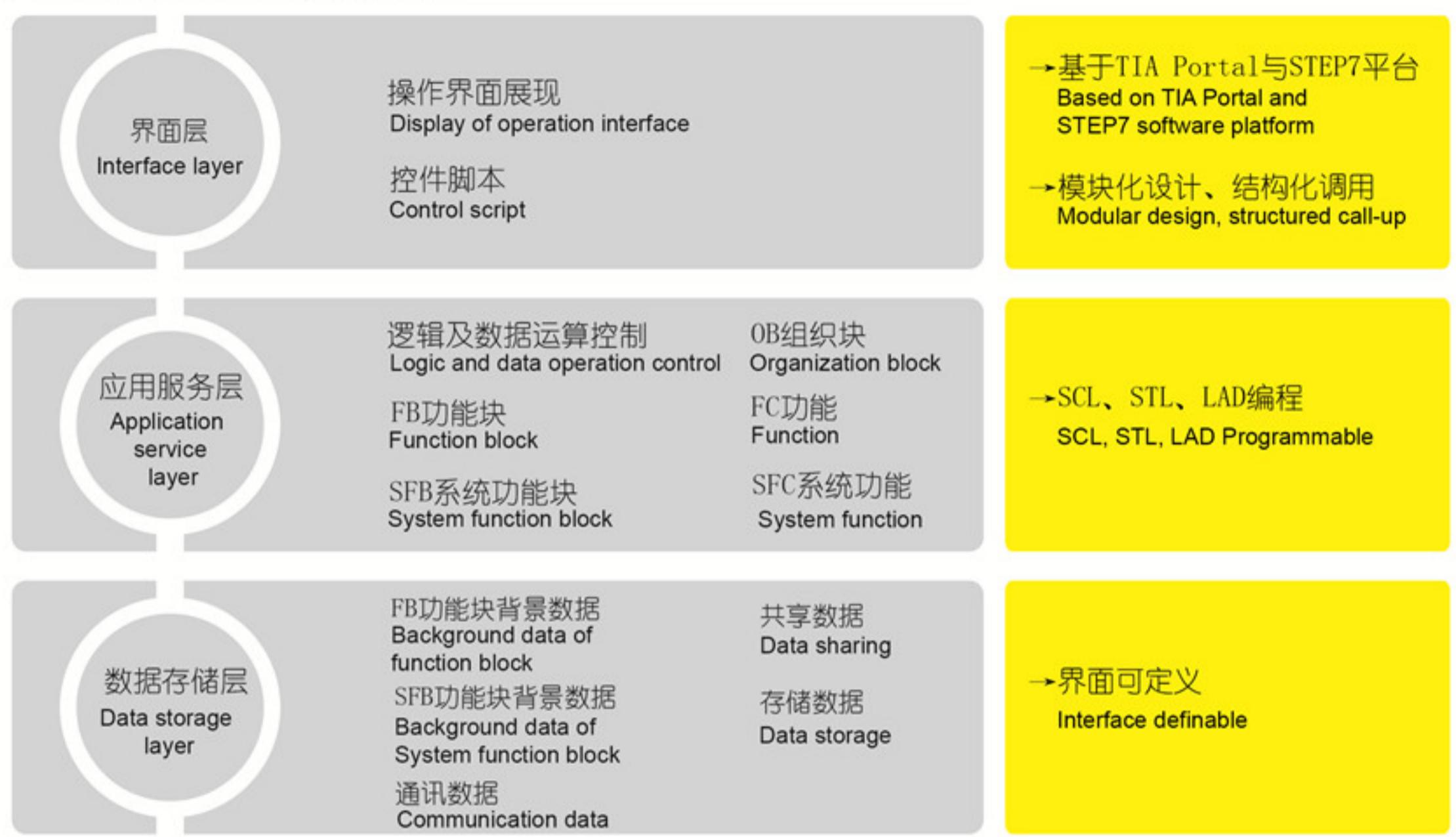
控制系统在智能仓储系统中起着传输纽带的重要作用，负责接收计算机管理系统下达的任务经过其判断和逻辑处理后，驱动相应原现场的执行动作。



The control system plays an important role as the transmission link in the intelligent storage system. It is responsible for receiving the tasks assigned by the computer management system and driving the corresponding original execution actions after the judgment and logic processing.

电控技术架构

Electrical Control Architecture



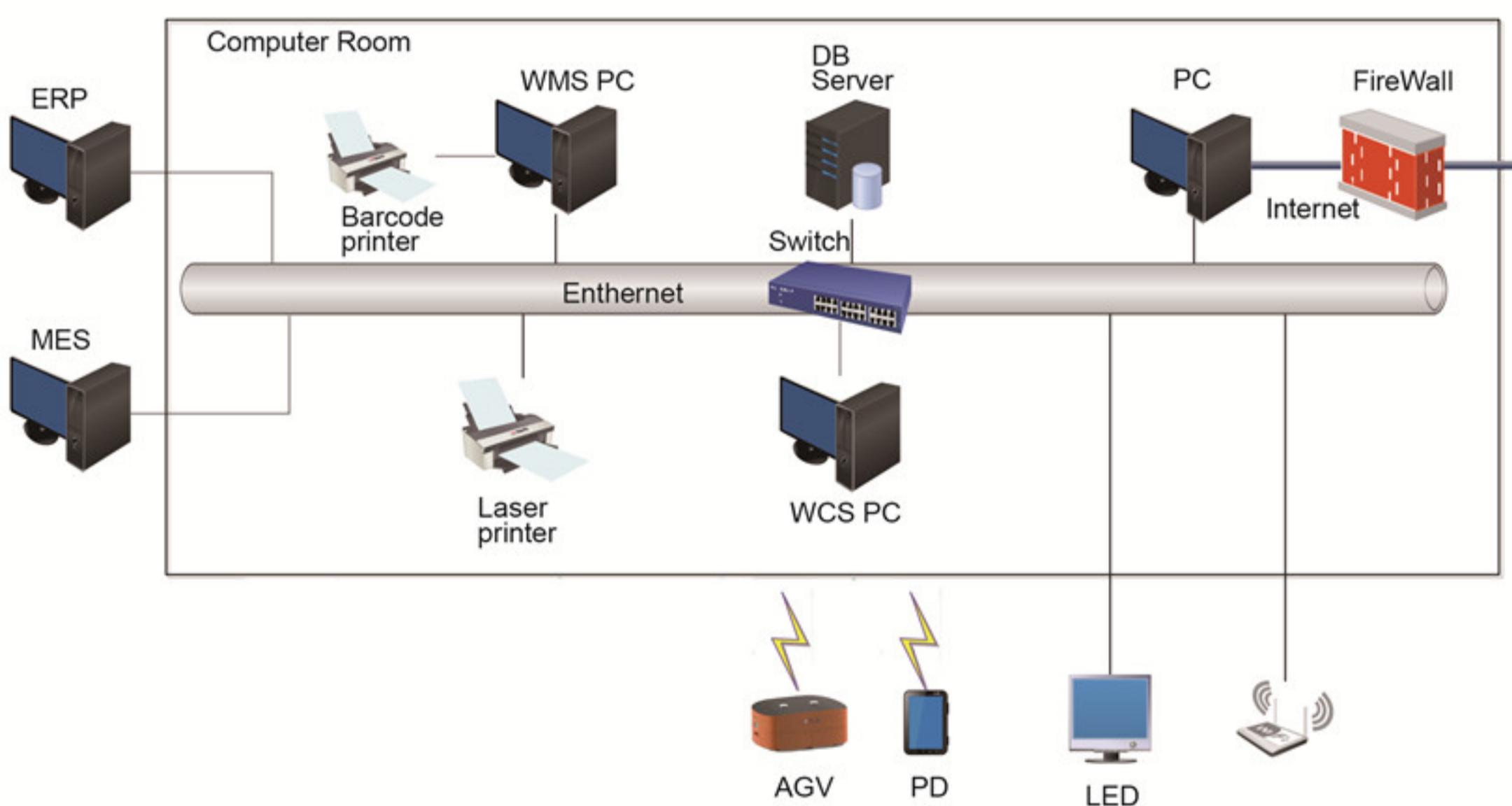
电控系统功能

Electrical control system function



软件系统

欧标智能具有自主知识产权的自动化仓储软件系统主要包括仓库管理系统（WMS）、仓库监控系统（WCS），能够有效控制并跟踪仓库业务的物流和成本管理全过程，实时监视仓库和设备的状态，保持仓库内的各种物料搬运设备的稳定及高效运行，从而提高仓库整体的运作效率。我们将标准化设计与个性化定制开发融为一体提出全面完整的系统解决方案，将自动化仓储、分拣以及自动化生产物流有机结合为一体。



软件系统 Software System

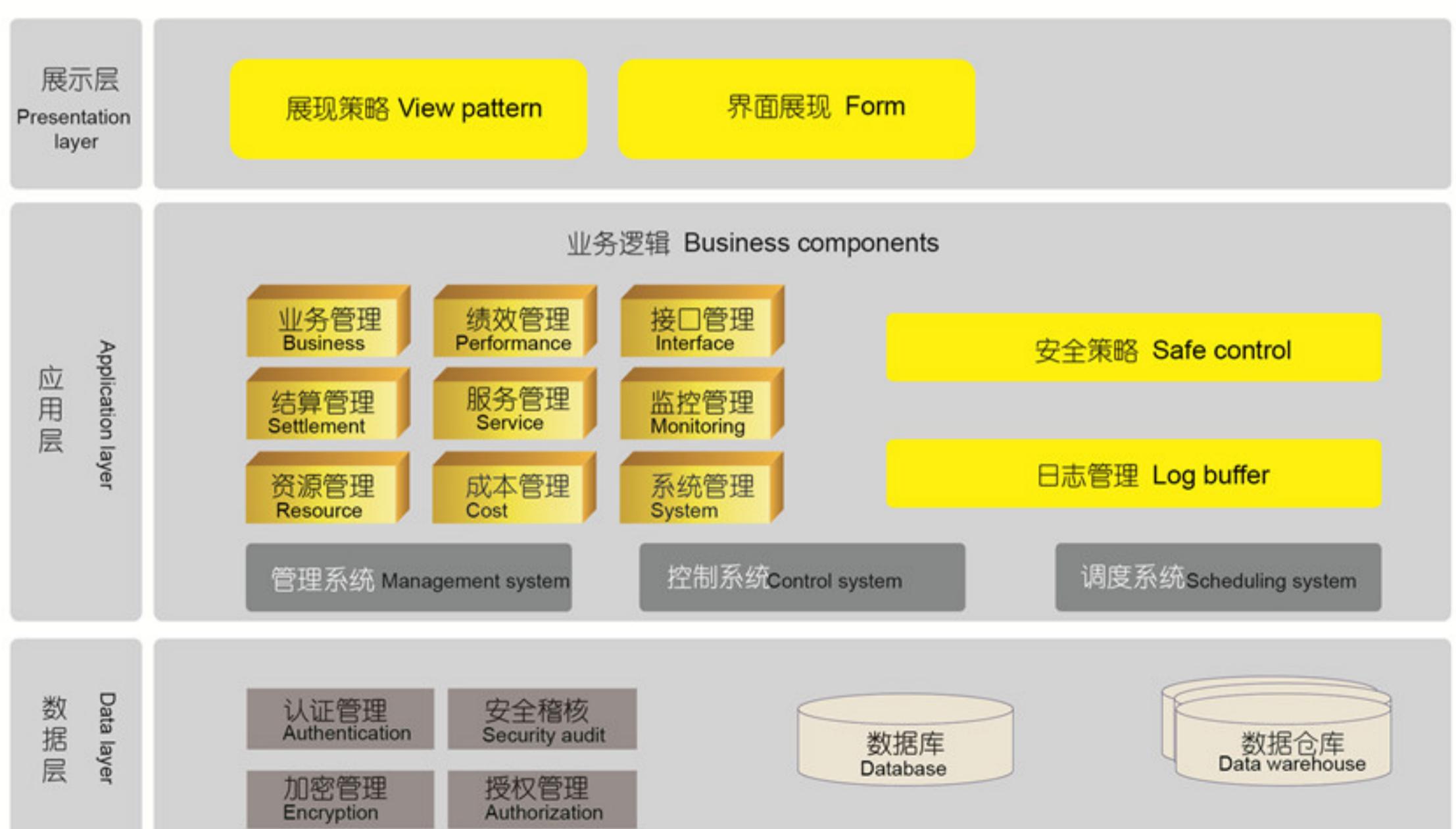
计算机系统—应用集成架构

Computer systems - application integration architecture

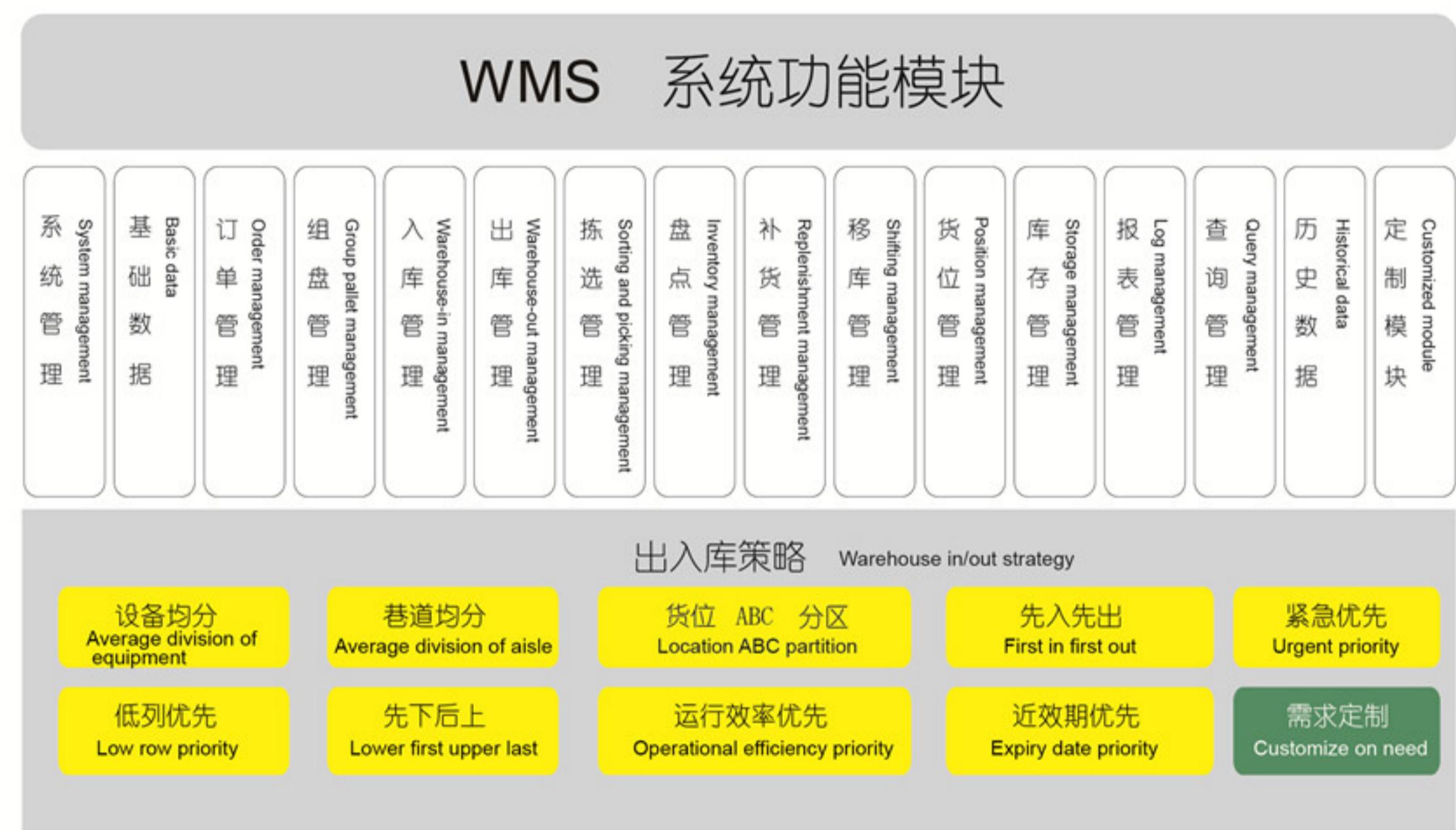


计算机系统—系统技术架构

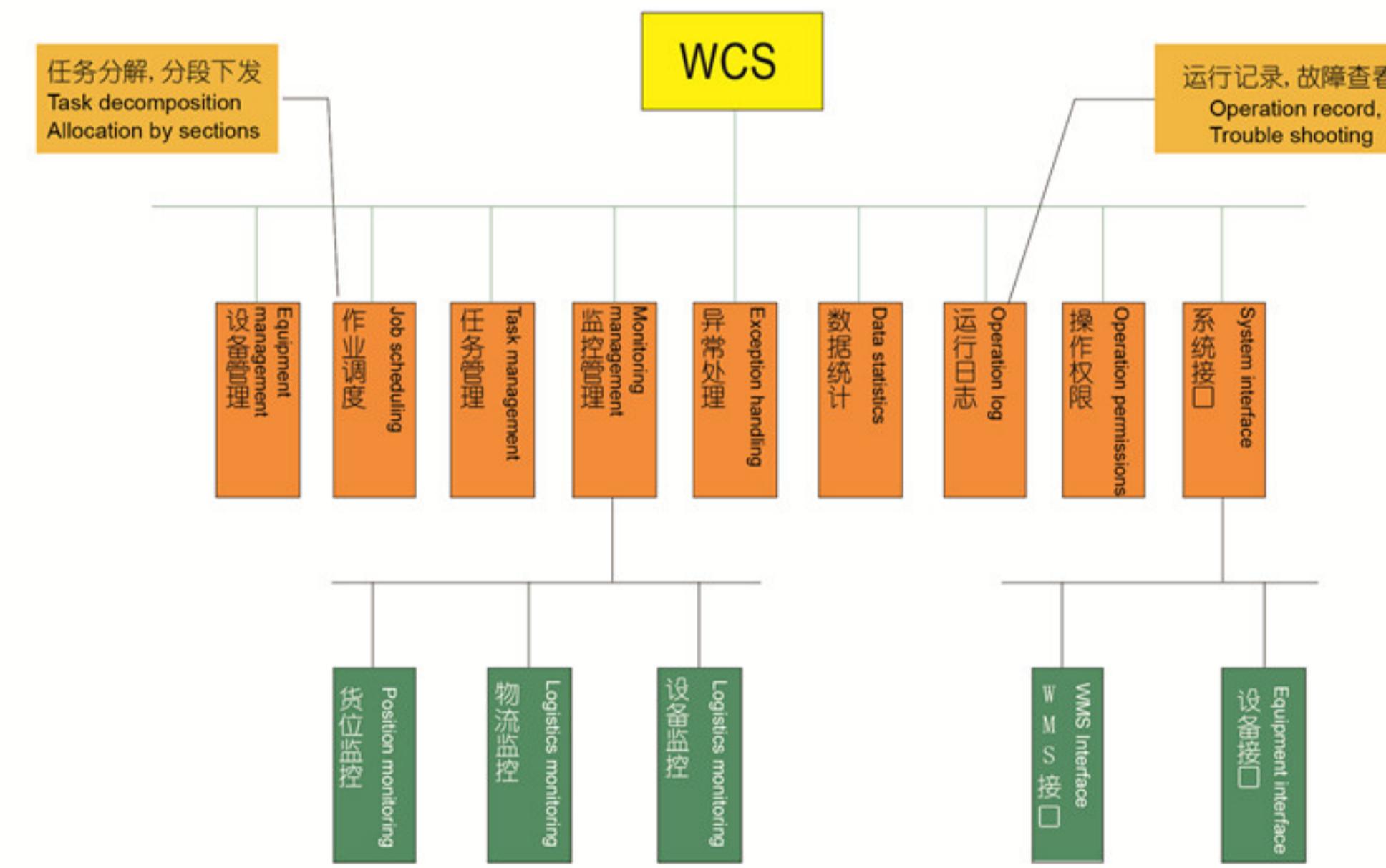
Computer systems - system technical architecture



计算机系统-WMS功能 Computer System -WMS Function



计算机系统-WCS功能 Computer System -WCS Function



COMPANY HONORS

荣誉见证实力
Honor demonstrates strength!



PARTNERS

合作伙伴



国外客户（部分） Foreign customers (partial)



国内客户（部分） Domestic customers (partial)





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