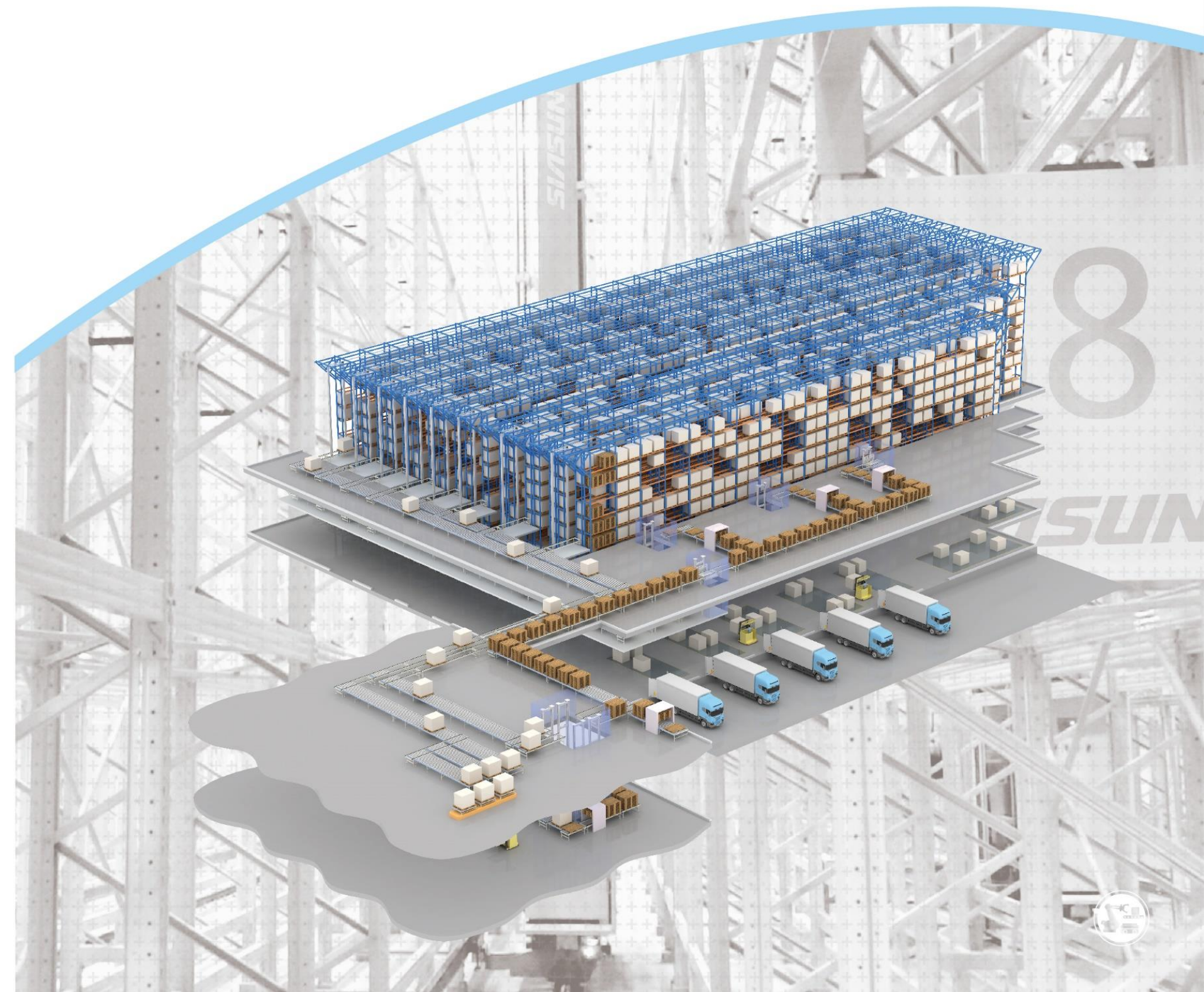




www.siasun.com

新松智能物流解决方案

SIASUN Intelligent Logistics Solution



新松机器人自动化股份有限公司
SIASUN ROBOT & AUTOMATION CO., LTD.

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新松服务号



新松订阅号



Enterprise Introduction

公司介绍

新松机器人自动化股份有限公司（以下简称“新松”）成立于2000年，是一家以机器人技术为核心的高科技上市公司。作为国家机器人产业化基地，新松拥有完整的机器人产品线及工业4.0整体解决方案。新松本部位于沈阳，在上海设有国际总部，同时，新松积极布局国际市场，在韩国、新加坡、泰国、德国、香港等地设立多家控股子公司及海外区域中心。

智能物流BG是新松的主导产业之一，专注于为客户提供自动化、数字化与智能化的物流整体解决方案和一站式集成服务。拥有行业内资深的专家级技术团队和领先的规模化生产能力，核心产品自主研发、设计、加工，可为生产制造及商贸流通领域的客户提供深度定制的物流解决方案，包括智能仓储、柔性搬运、高速输送与分拣、智能拣选、物流机器人应用以及智能物流信息系统，应用场景贯穿仓储、生产与配送各个环节，覆盖众多细分领域，系统成套出口业绩行业领先。

新松紧抓全球新一轮科技革命和产业变革契机，发挥人工智能技术的赋能效应，以工业互联网、大数据、云计算、5G网络等新一代尖端科技推动机器人产业平台化发展，打造集创新链、产业链、金融链、人才链于一体的生态体系。聚焦核心技术，共享智能时代。

智慧新松，创领未来！

SIASUN is a high-tech listed enterprise, which was established in the year of 2000. SIASUN is also National Engineering Research Center focusing on robotic technology. SIASUN has the most comprehensive robotic product lines and Industry 4.0 overall solutions. SIASUN group HQ locates in Shenyang and international HQ locates in Shanghai. Meanwhile, SIASUN actively explores the international market. SIASUN has a number of holding subsidiaries and overseas regional centers in South Korea, Singapore, Thailand, Germany and Hong Kong, etc.

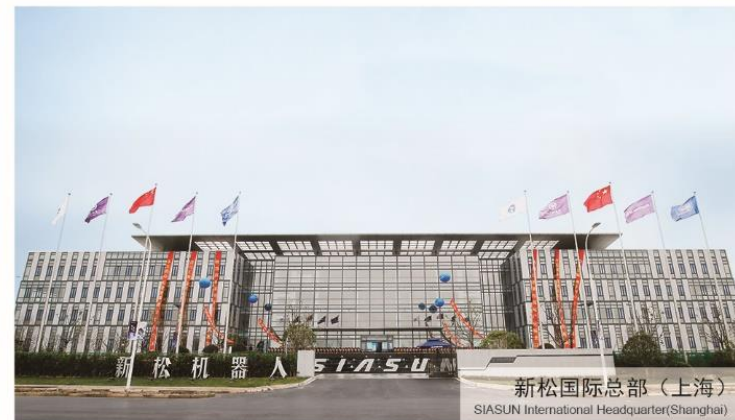
Intelligent logistics BG is one of SIASUN's leading industries, focusing on providing customers with automated, digital and intelligent logistics solutions and one-stop integrated services. With a senior expert-level technical team in the industry, leading large-scale production capabilities, independent research and development, design, and processing of core products, it can provide customers in the fields of manufacturing and trade circulation with in-depth customized logistics solutions, including intelligent warehousing and flexible handling, high-speed conveying and sorting, intelligent picking, logistics robot applications, and intelligent logistics information systems. The application scenarios run through all links of warehousing, production and distribution, covering many subdivisions, and the export performance of the system is leading the industry.

SIASUN will catch the opportunity of technological revolution and industrial transformation in the world and take full advantage of AI, to push the fast development of robotic industry based on cutting-edge technologies such as big data, supercomputing, 5G, brain science. SIASUN has formed an ecosystem consisted of Innovation Chain, Industry Chain, Finance Chain and Talents Chain, and increasing customers' core competitiveness and pushing forward the intelligent updating of industry. Focuses on core technologies and leads the trend of development, SIASUN is committed to bring the era of intelligence to every industry and everyone.

Smart SIASUN Lead future!



新松本部 (沈阳)
SIASUN Group Headquarter (Shenyang)



新松国际总部 (上海)
SIASUN International Headquarter (Shanghai)



天津新松机器人自动化有限公司
Tianjin SIASUN Robot & Automation Co., LTD.



青岛新松机器人自动化有限公司
Qingdao SIASUN Robot & Automation Co., LTD.



杭州新松机器人自动化有限公司
Hangzhou SIASUN Robot & Automation Co., LTD.

Company Advantages

公司优势



物流装备产线齐全
Various Logistics Equipment



核心产品自主加工
Self producing of core equipment



集成能力行业领先
Industry leader in integration capability

20年+

行业经验
Industry Experience

1000+

成功案例
Success Case

300+

物流规划专家
Logistics Planning Expert



欧盟CE认证
CE Certificate



防爆认证
Explosion-Proof Certification

30+

软件著作权
Software Copyright

100+

物流技术发明专利
Logistics Technology Invention Patent

7x24

售后服务
After-sales Service

Turnkey Project Service

交钥匙工程服务



咨询规划 Consulting and Planning

需求调研
数据分析
流程再造
方案设计

Demand research
Data analysis
Process re-engineering
Program design

1



系统设计 System Design

详细设计
设计输出
工艺优化
虚拟交付

Detailed design
Design output
Process optimization
Virtual delivery

2



生产制造 Manufacturing

加工制造
质量体系
进度管控
出厂检验

Processing and manufacturing
Quality system
Progress control
Factory inspection

3



工程实施 Project Implementation

设备安装
系统联调
上线培训
运营指导

Equipment installation
System integral debugging
Online training
Operation guidance

4



售后服务 After-sales Service

在线诊断
定期巡检
驻场服务
技术支持

Online diagnosis
Regular inspection
On-site service
Technical support

5

健全的管理体系
A sound management system

完善的组织架构
Perfect organizational structure

资深的项目管理团队
Senior project management team

专业的管理工具与方法
Professional management tools and methods

Consulting and Planning

咨询与规划

物流蓝图
Logistics Blueprint

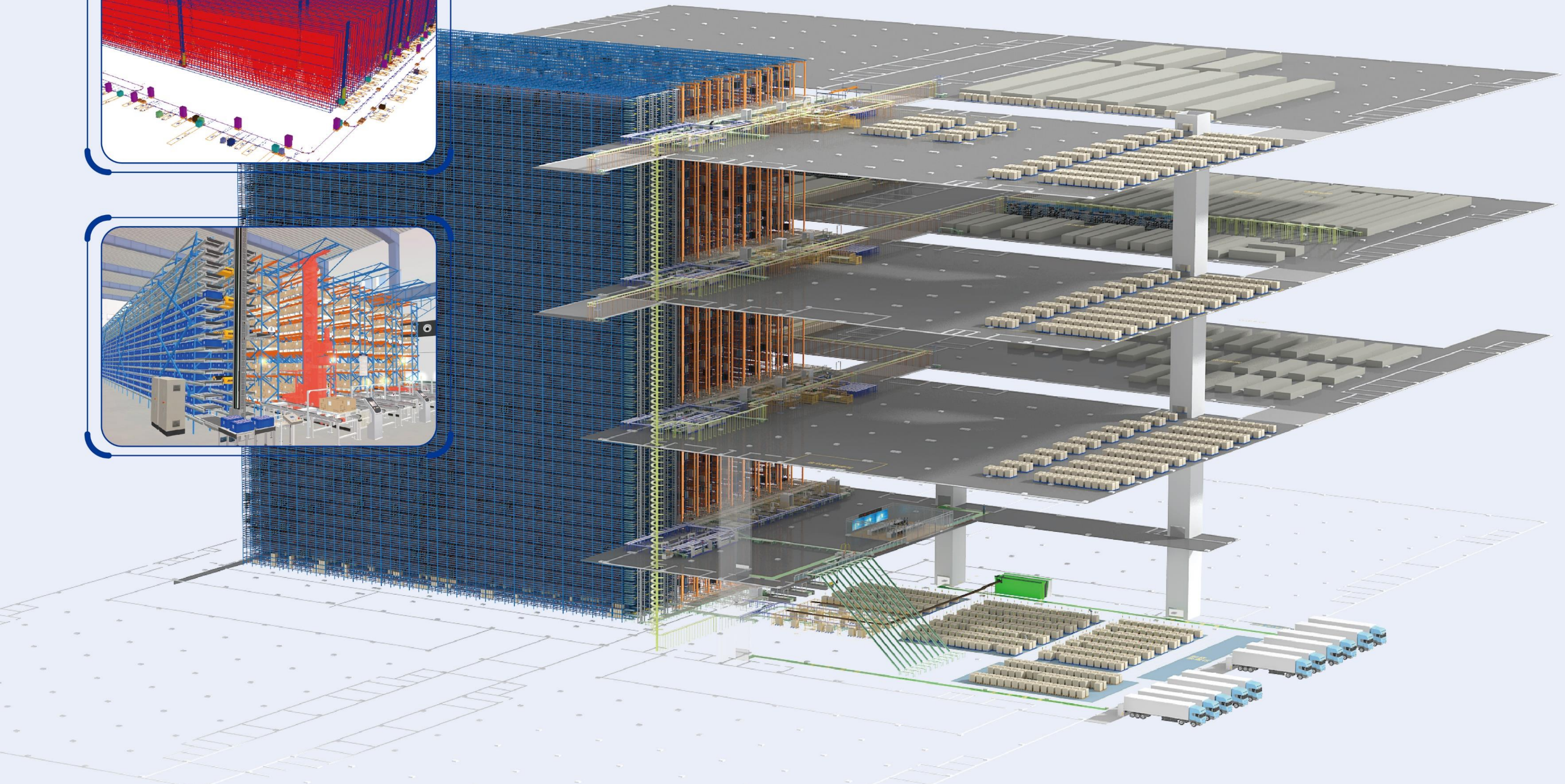
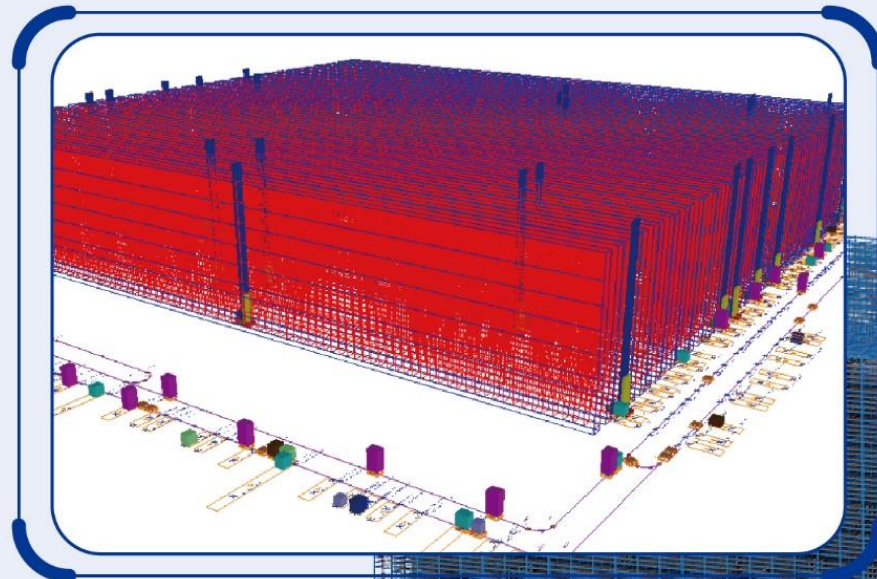
功能区域
Functional Area

作业流程
Work Flow

物流路径
Logistics Route

人员设施
Personnel and Facilities

规划范围
Planning Scope



One-stop Intelligent Logistics Solution

一站式智能物流解决方案

面向全球的智能物流专家
Global-oriented Intelligent Logistics Expert

超越期望的合作共赢伙伴
A Win-win Partner Who Exceeds Expectations

智能物流信息系统

Intelligent Logistics Information System



物流执行系统
WES



仓储管理系统
WMS



调度控制系统
WCS



订单管理系统
OMS



三维可视化监控系统
3D-VMS



数据监控平台
DMP



智能运维系统
IOM

智能仓储

Intelligent Warehousing

托盘式仓储系统
Pallet Warehousing

箱式仓储系统
Box Warehousing

无载具仓储系统
No-load Warehousing

密集仓储系统
Intensive Warehousing

搬运装卸

Handing and Loading

柔性化搬运
Automated Guided Vehicle

轨道式搬运
Rail-guided Vehicle

悬挂式搬运
Electrical Monorail System

拆码垛机器人
Palletizing Robot

输送分拣

Conveying and Sorting

高速分拣机
High-speed Sorting Machine

分拣机器人
Sorting Robot

输送设备
Conveying Equipment

包装设备
Packaging Equipment

智能拣选

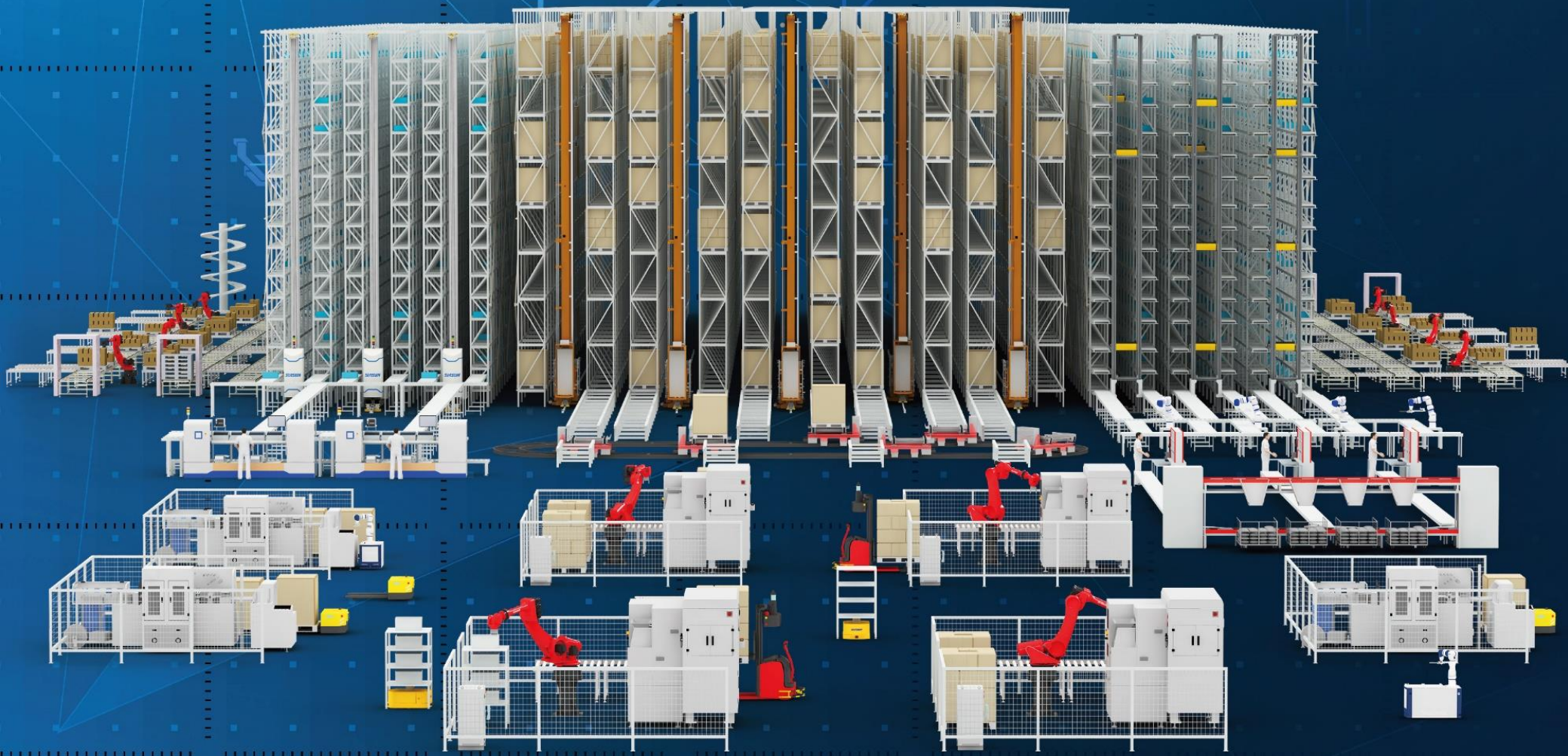
Intelligent Picking

拣选工作站
Picking Station

语音拣选
Voice Picking

拣选墙 | 播种墙
Pick wall | Put wall

拣选机器人
Picking Robot



Intelligent Logistics Information System

智能物流信息系统

ERP
企业资源计划

MES
制造执行系统

OA
企业办公系统

ECP
电子商务平台

TMS
运输管控平台

FMS
财务管理系统

柔性化生产
Flexible production

一体化管控
Integrated control

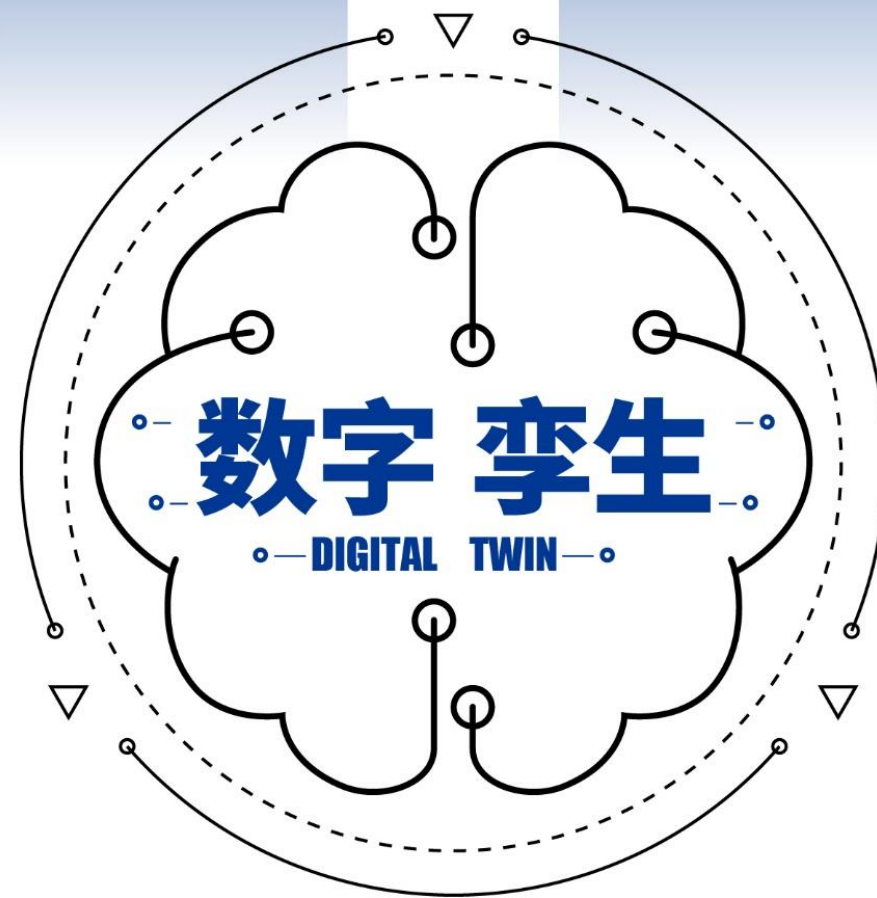
配置化管理
Configuration management

跨平台运行
Cross-platform operation

WES
物流执行系统

WMS
仓储管理系统

WCS
调度控制系统



OMS
订单管理系统

3D-VMS
三维可视化监控系统

DMP
数据监控平台

IOM
智能运维系统

多维度分析
Multi-dimensional analysis

决策性支持
Decision-making support

动态化孪生
Dynamic twinning

虚拟化交付
Virtual delivery

采购环节
Procurement

- 计划协同 Plan coordination
- 智能收货 Smart receipt
- 库存管控 Inventory control

回收环节
Recycling

- 智能循环 Smart loop
- 逆向物流 Reverse logistics
- 全程追溯 Full traceability

电气控制系统 PLC

数据采集与监视控制系统 SCADA

制造环节
Manufacturing

- 生产齐套 Production
- 精益配送 Lean distribution
- 数据共享 Data sharing

物联网 IOT

数据库技术 DBT

信息技术 IT

成品环节
Finished product

- 多仓调配 Multi-warehouse deployment
- 信息跟踪 Information tracking
- 高效履行 Efficient performance

Intelligent Warehousing System

智能仓储系统

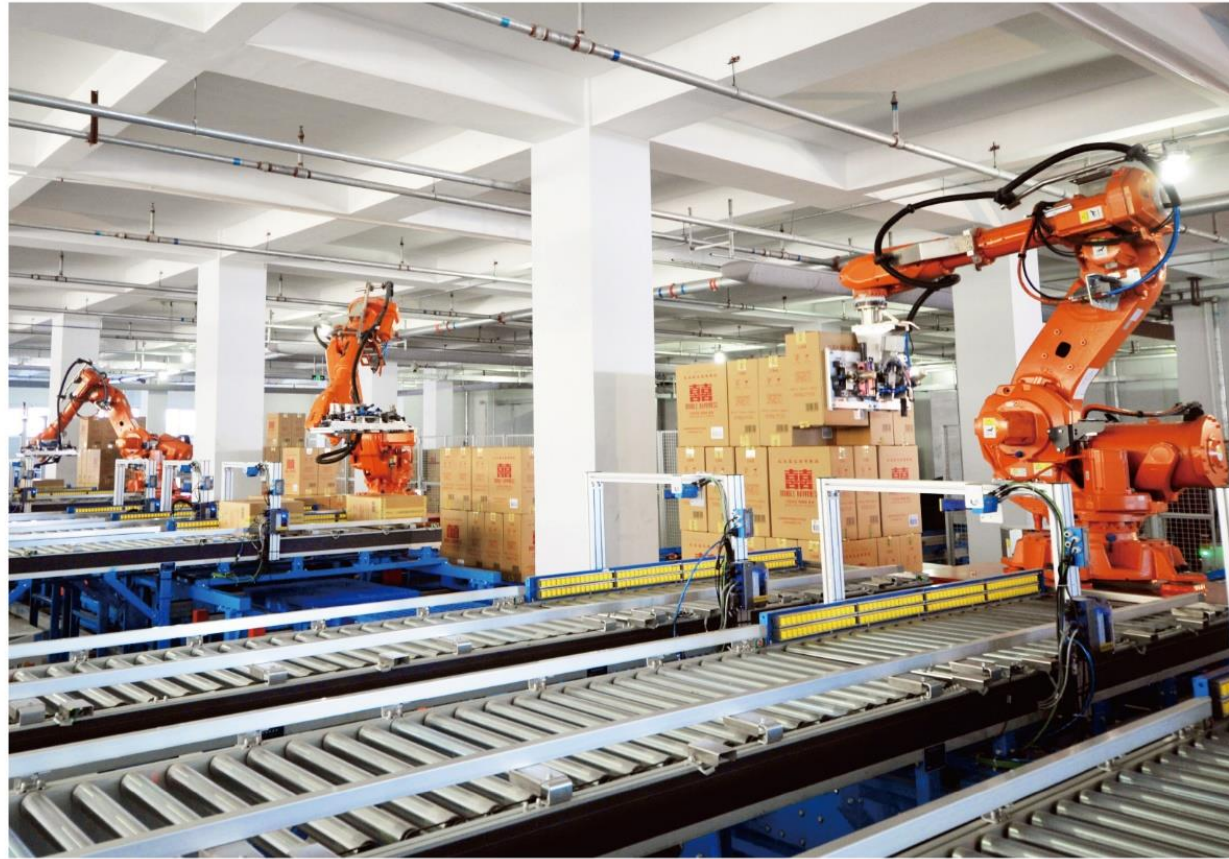
智能仓储系统实现仓储的科学管理，优化存储结构，缩短库存周期，节约仓库空间和劳动力，从而降低企业运营成本。

The intelligent warehousing system realizes the scientific management of warehousing, optimizes the storage structure, and shortens the inventory cycle, as well as saves warehouse space and labor, thereby to reduce enterprise operating costs.



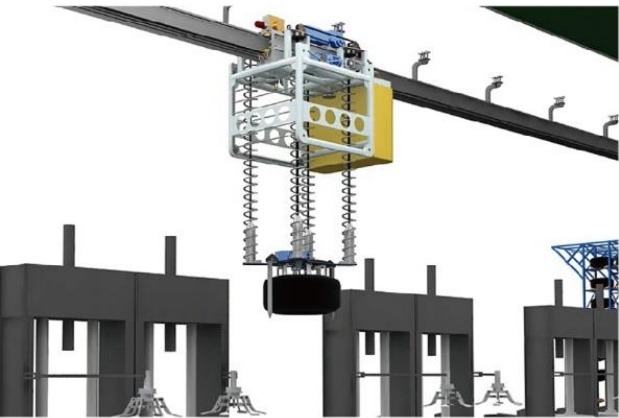
Automatic Handling System

自动搬运装卸



自动搬运装卸系统实现物流活动的有机结合,可以减少货物损坏率,提高搬运效率和安全性,降低人员劳动强度,节约物流成本。

The automatic handling system realizes the organic combination of logistics activities, which can reduce the damage rate of goods, improve the efficiency and safety of handling, reduce the labor intensity of personnel, and save logistics costs.

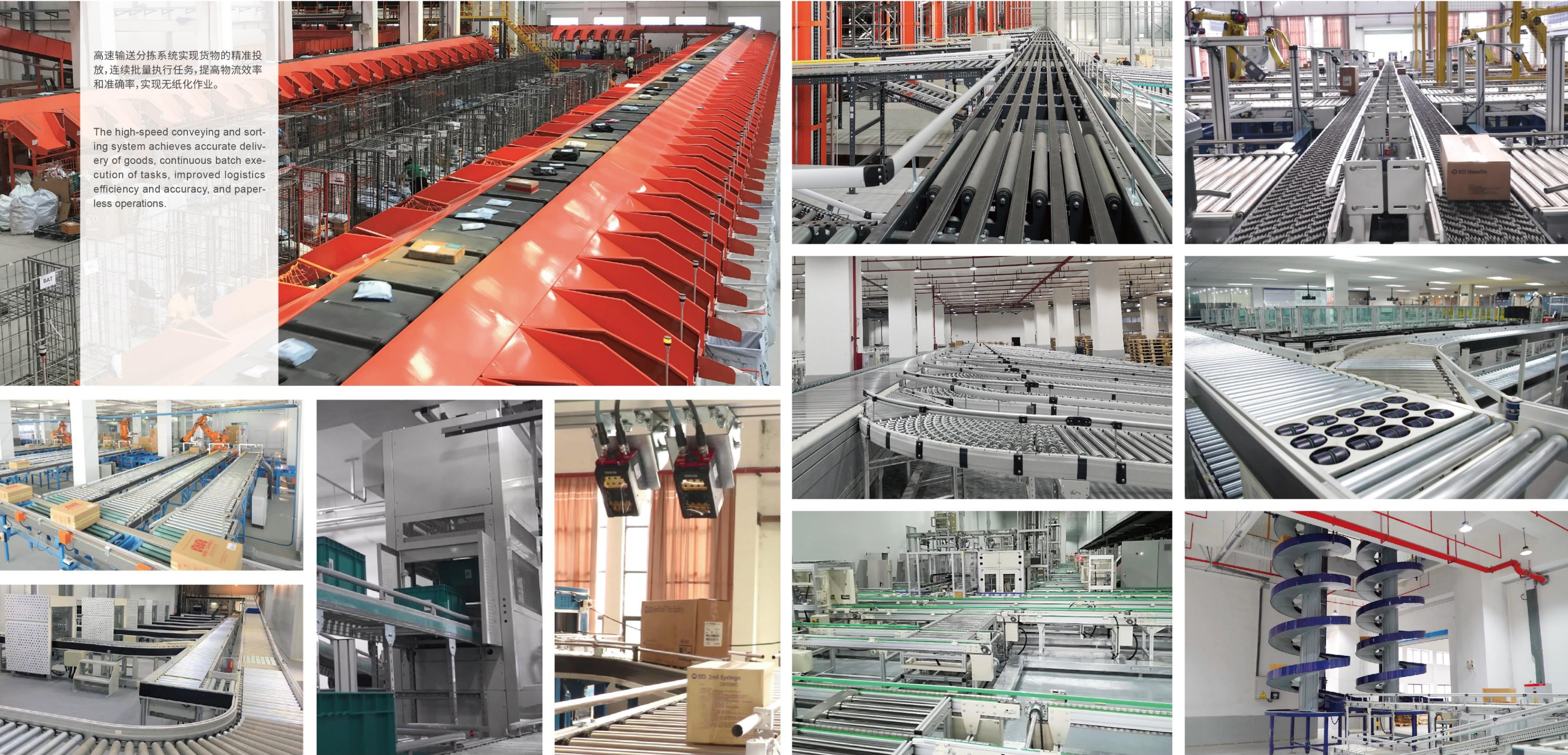


High-speed Conveying and Sorting System

高速输送分拣

高速输送分拣系统实现货物的精准投放,连续批量执行任务,提高物流效率和准确率,实现无纸化作业。

The high-speed conveying and sorting system achieves accurate delivery of goods, continuous batch execution of tasks, improved logistics efficiency and accuracy, and paperless operations.



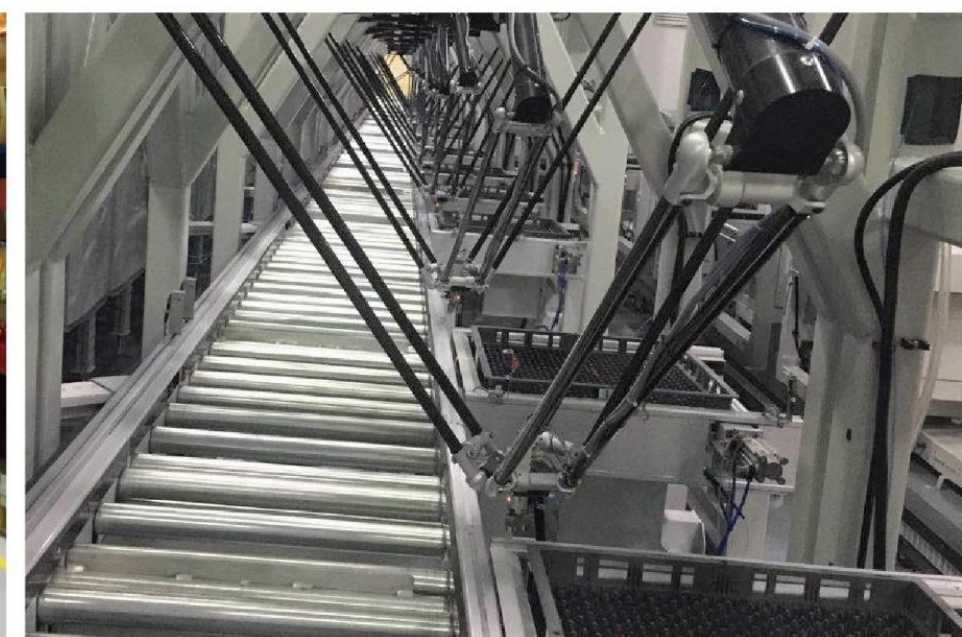
Intelligent Picking/Sorting System

智能拣选系统



智能拣选系统实现订单的高效履行, 灵活处理波次计划, 减少对员工的依赖, 提高拣选效率和准确率, 缩短交货周期。

The intelligent picking/sorting system realizes efficient fulfillment of orders, flexibly handles wave picking planning, reduces dependence on employees, improves picking efficiency and accuracy, and shortens delivery cycles.



医药行业解决方案

Solutions for Pharmaceutical Industry

系统组成

双深位托盘堆垛机立体库
子母车密集存储立体库
AGV
升降机
码垛机器人

System composition

Double-deep pallet ASRS
Dense storage ASRS for mother shuttles and skaters
AGV
Lift
Palletizing robot



价值提升

多种仓库统一管理
提高仓库利用率
信息全流程追溯
满足GMP/GSP法规要求

Value enhancement

Unified management of multiple warehouses
Increase warehouse utilization
Information full traceability
In compliance with GMP/GSP regulatory requirements

Control 管控环节



原料仓储
Raw material storage



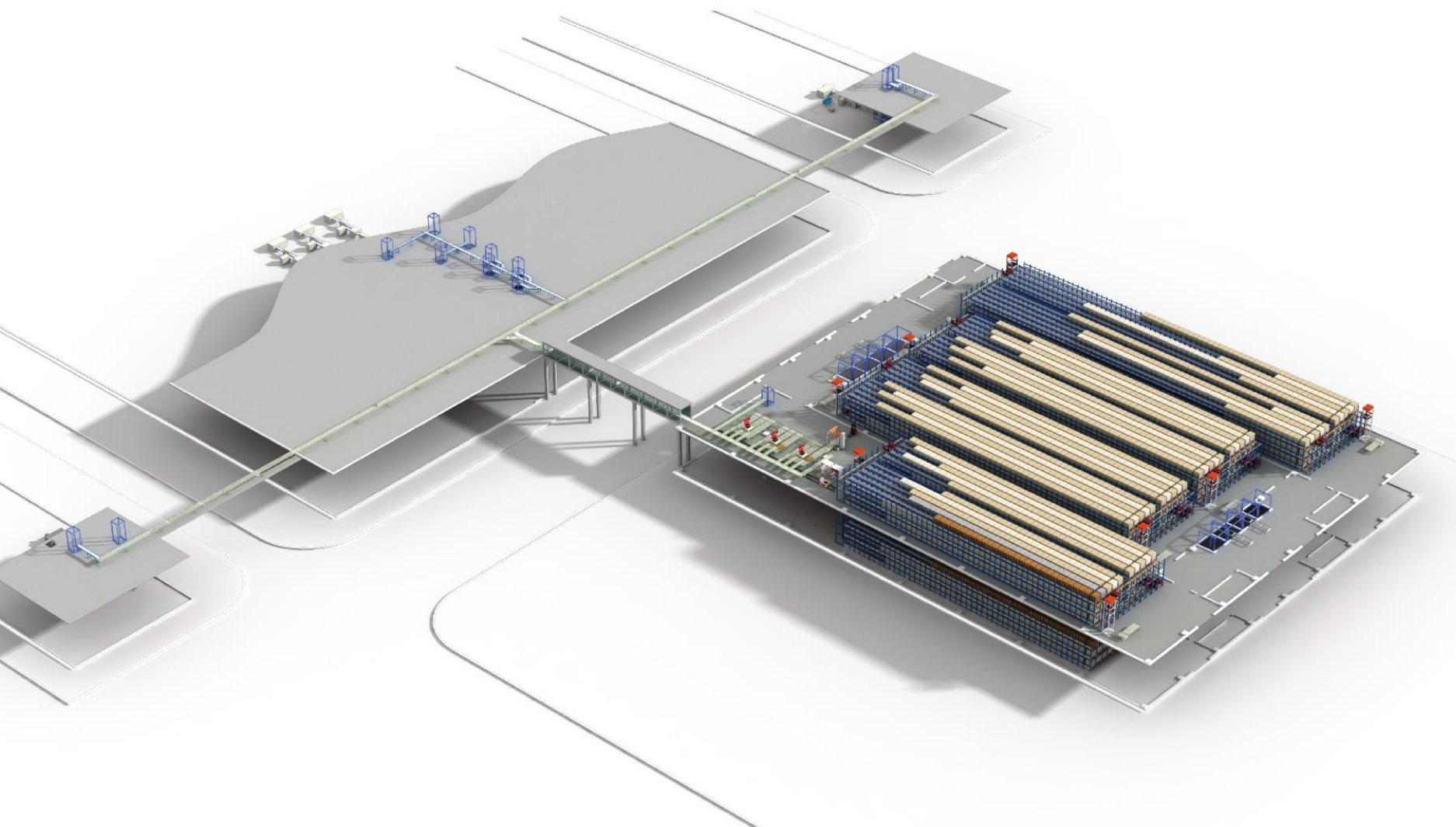
包材仓储
Packaging materials storage



成品仓储
Finished product storage

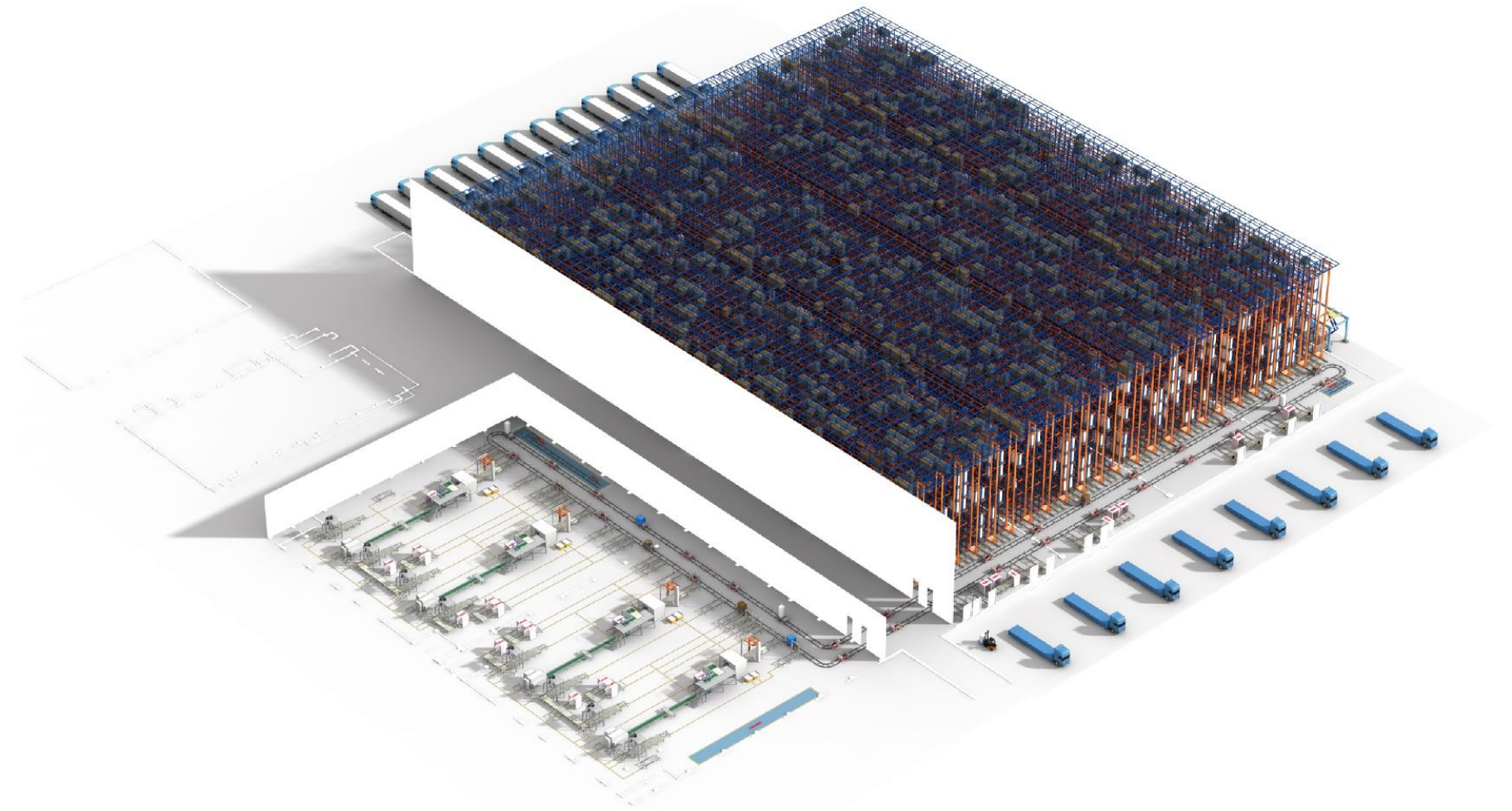


生产物流
Production logistics



化工行业解决方案

Solutions for Chemical Industry

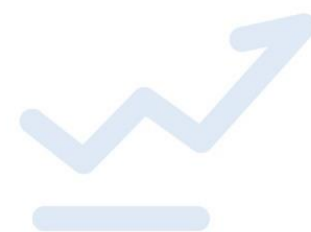


系统组成

托盘堆垛机立体库
环形穿梭车
AGV
自动叠垛
自动包装
自动装车

System composition

ASRS for pallet
Loop shuttle
AGV
Automatic palletizing
Automatic packaging
Automatic loading



价值提升

仓储生产配送一体化管控
降低运营成本
系统节能设计
全自动作业流程

Value enhancement

Integrated management and control of warehousing, production and distribution
Reduce operating costs
System energy saving design
Automatic operation process

Control 管控环节



包材仓储
Packaging materials storage



成品仓储
Finished product storage



生产物流
Production logistics



包装
Packaging



配送
Delivery

化纤行业解决方案

Solutions for Chemical Fiber Industry

系统组成

无载具堆垛机立体库
V型链板输送
升降机
自适应视觉识别

System composition

ASRS of non-vehicle stacker
V-shaped chain conveyor
Lift
Adaptive visual recognition

价值提升

仓储生产配送一体化管控
远距离自动输送
提高仓库利用率
高效存取

Value enhancement

Integrated management and control of warehousing
Long-distance automatic conveying
Increase warehouse utilization
Efficient access

Control 管控环节



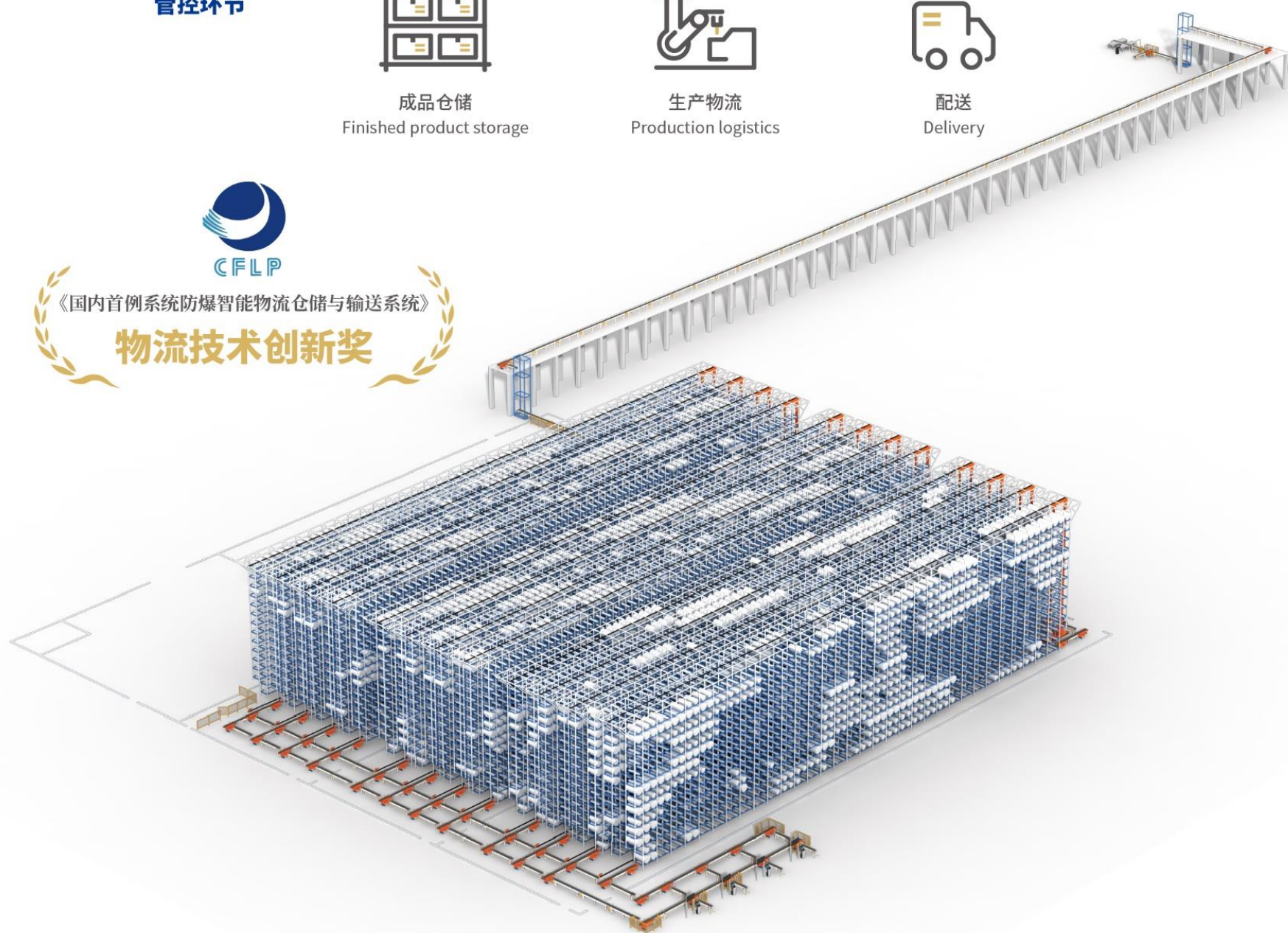
成品仓储
Finished product storage



生产物流
Production logistics



配送
Delivery



电子行业解决方案

Solutions for Electronics Industry

系统组成

箱式堆垛机立体库 (Miniload)
拣选机器人
拣选工作站
自动贴标
升降机

System composition

ASRS for boxes
Picking robot
Picking station
Automatic labeling
Lift

价值提升

高效存取
订单智能分配
精准拣选
作业流程信息化

Value enhancement

Efficient access
Intelligent order distribution
Precision picking
Work flow information

Control 管控环节



原料仓储
Raw material storage



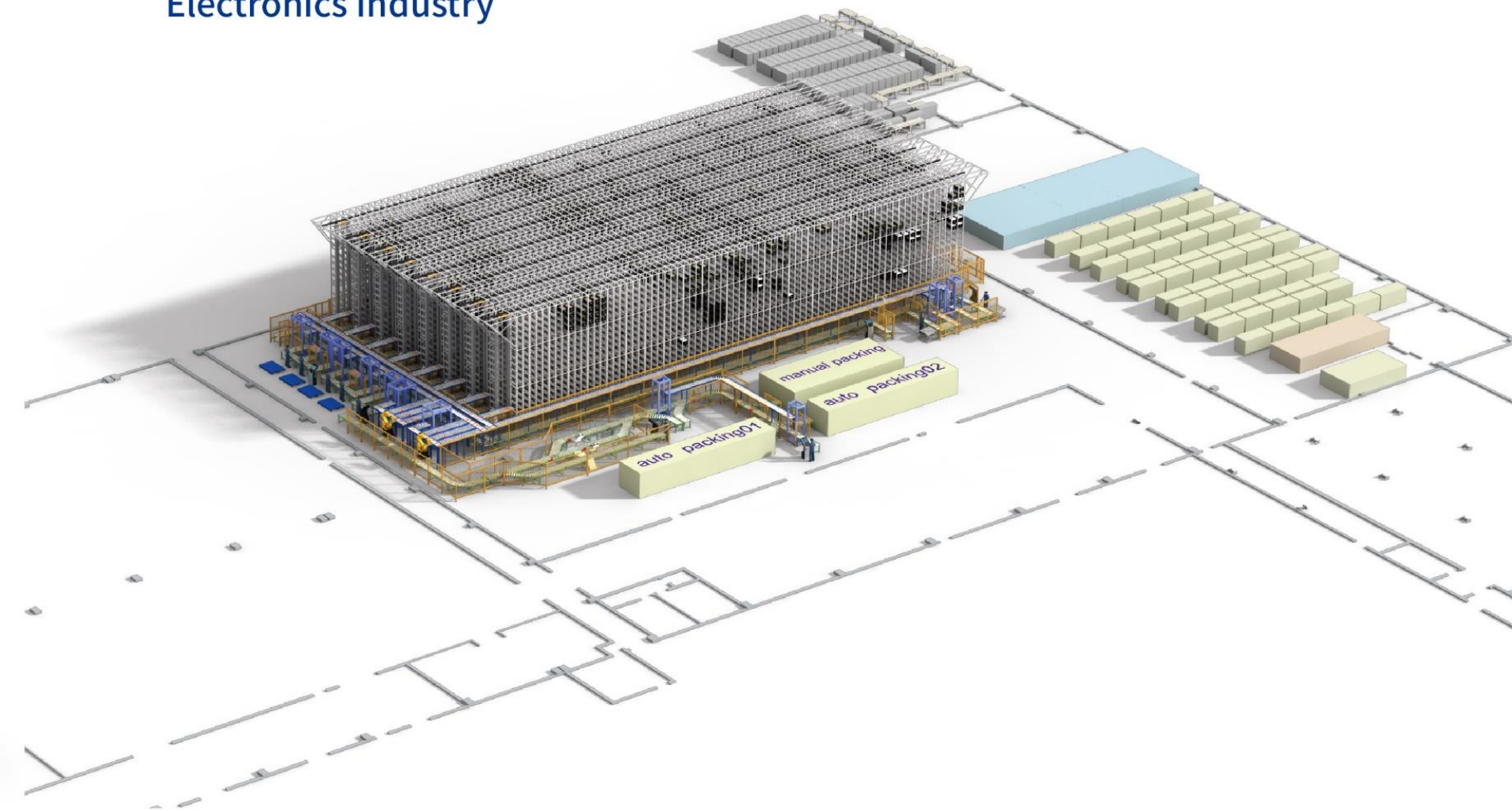
成品仓储
Finished product storage



拣选
Picking



包装
Packaging



鞋服行业解决方案

Solutions for footwear and clothing industry

系统组成

超高托盘堆垛机立体库
在线拣选通道
电商拆零拣选
拣选机器人
滑块分拣机

System composition

Super-high pallet stacker ASRS
Online picking channel
E-commerce dismantling and sorting
Picking robot
Slide sorting machine

价值提升

高效存取
在线实时补货
订单智能分配
拆零拣选
作业流程信息化

Value enhancement

Efficient access
Online real-time replenishment
Intelligent order distribution
Dismantling and sorting
Excellent Technology and Equipment Supplier

Control 管控环节



仓储
Warehousing



分拣
Sorting



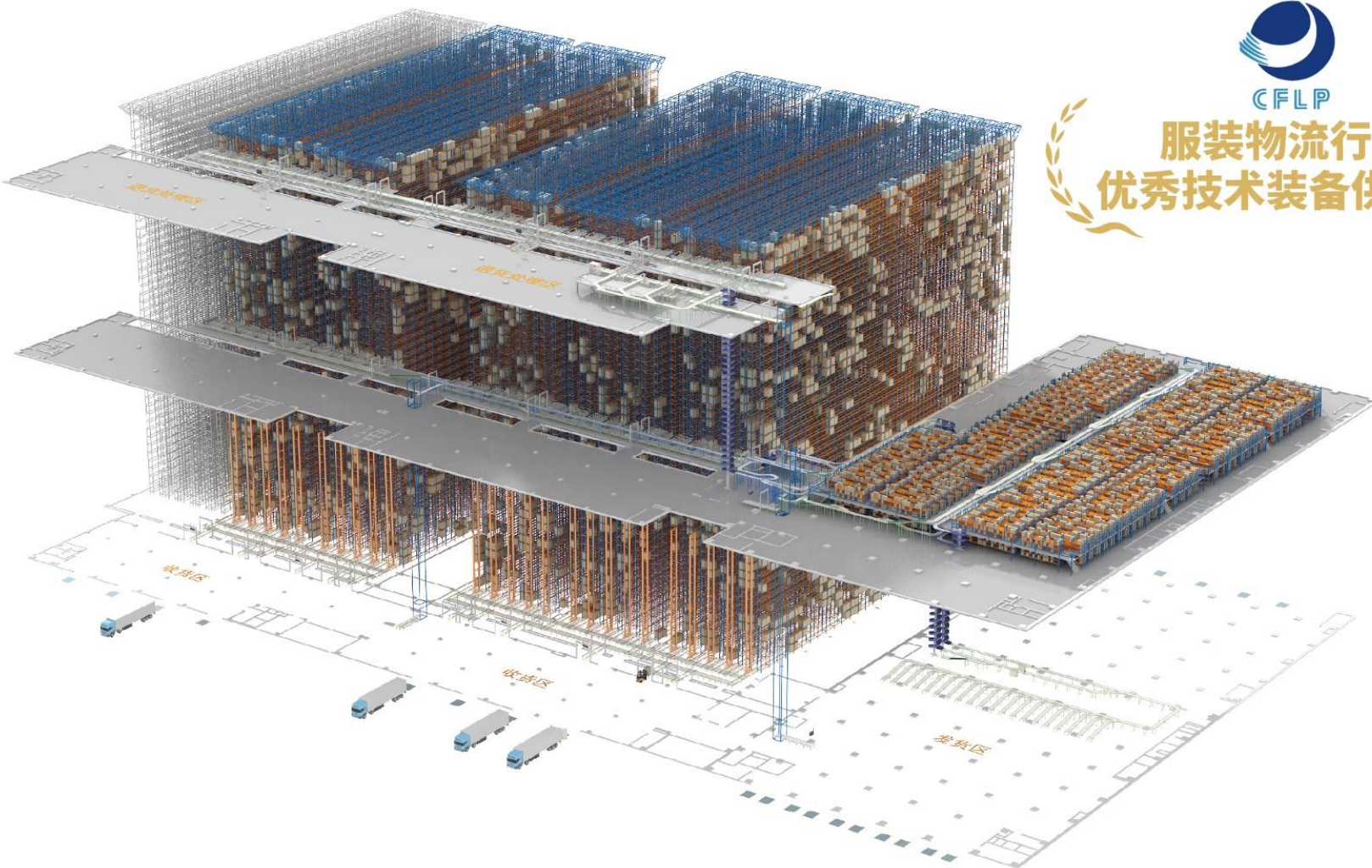
拣选
Picking



配送
Delivery



服装物流行业
优秀技术装备供应商



家居行业解决方案

Solutions for home furnishing industry

系统组成

双深位托盘堆垛机立体库
码垛机器人
AGV
升降机
拣选机器人

System composition

Double-deep pallet ASRS
Palletizing robot
AGV
Lift
Picking robot

价值提升

提高仓库利用率
生产线JIT供料
人机协作
仓储生产配送一体化管控

Value enhancement

Increase warehouse utilization
Production line JIT feeding
Human-machine collaboration
Integrated management and control of warehousing, production and distribution

Control 管控环节



原料仓储
Raw material storage



成品仓储
Finished product storage



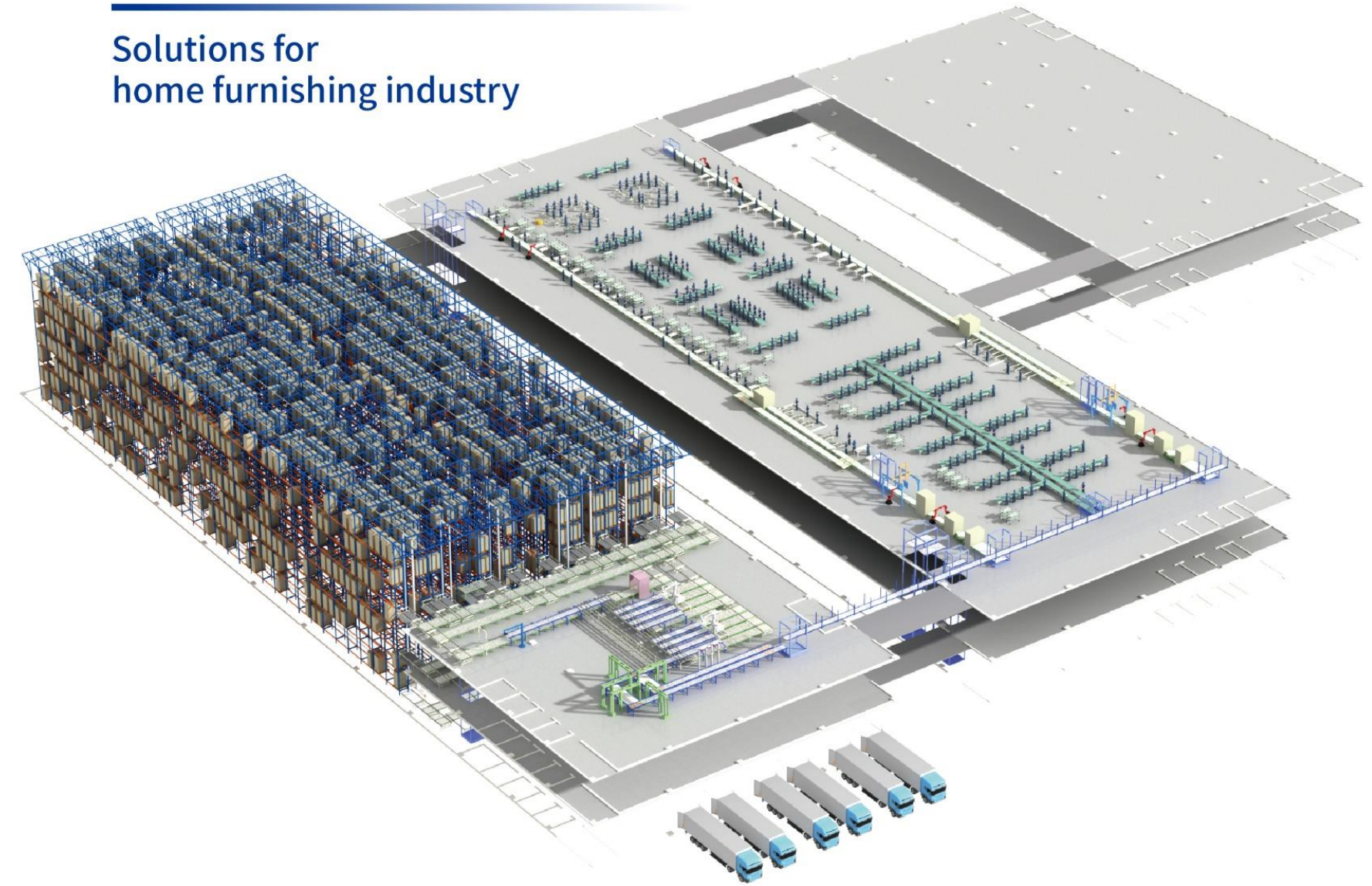
生产物流
Production logistics



线边仓
Warehouse by production line



配送
Delivery



轮胎行业解决方案

Solutions for tire industry



系统组成

托盘堆垛机立体库(原辅料)
无载具堆垛机立体库(生胎)
悬挂轨道车
视觉识别
分拣机器人
码垛机器人

System composition

ASRS for pallet (Raw Material)
ASRS of non-vehicle stacker (Viviparous)
EMS
Visual recognition
Sorting robot
Palletizing robot

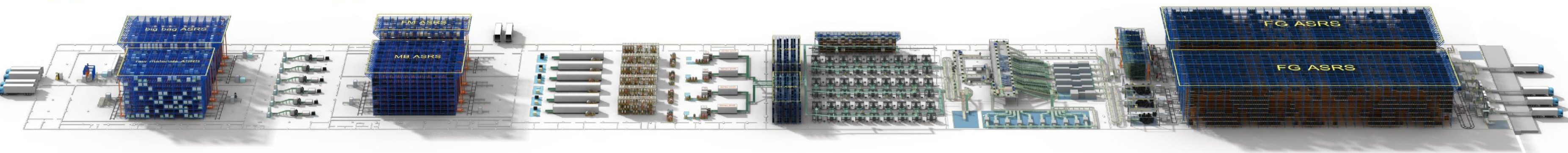
价值提升

提高仓库利用率
高速分拣
精准定位
作业流程信息化

Value enhancement

Increase warehouse utilization
High-speed sorting
Precise positioning
Work flow information

Control 管控环节



新能源行业解决方案

Solutions for new energy industry



系统组成

托盘堆垛机立体库
特殊定制堆垛机立体库
分拣机器人
拣选机器人

System composition

ASRS for pallet
Customized stacker ASRS
Sorting robot
Picking robot

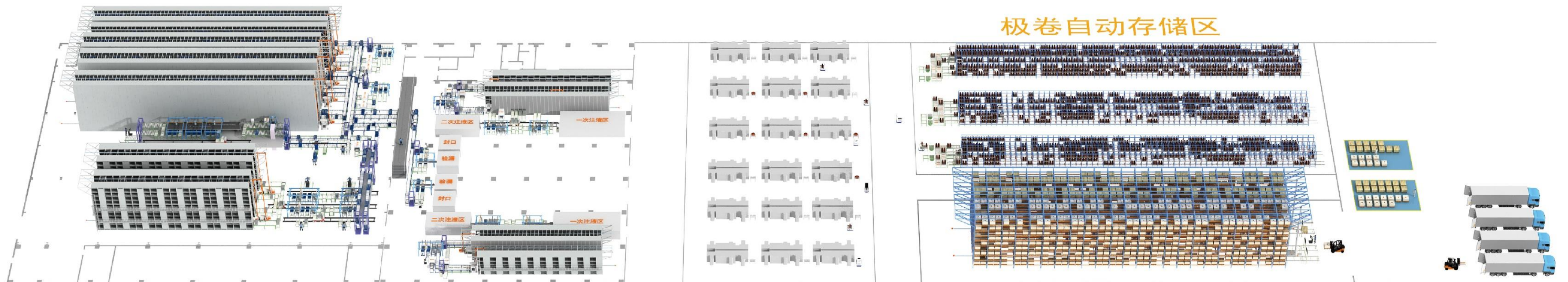
价值提升

柔性化生产
全流程管控
生产数据可视化

Value enhancement

Flexible production
Process control
Production data visualization

Control 管控环节



化成分容区

原料自动存储区

机械制造业解决方案

Solutions for machinery manufacturing industry

系统组成

托盘式堆垛机立体库
箱式堆垛机立体库 (Miniload)
拣选工作站
有轨穿梭车

System composition

ASRS for pallet
ASRS for box
Picking station
RGV



价值提升

仓储生产配送一体化管控

柔性化生产
作业流程信息化

Value enhancement

Integrated management and control of warehousing, production and distribution
Flexible production
Work flow information



Control 管控环节



原料仓储
Raw material storage



半成品仓储
Semi-finished products storage



成品仓储
Finished product storage



生产物流
Production logistics



线边仓
Warehouse by production line



配送
Delivery



新材料行业解决方案

Solutions for new material industry



系统组成

双深位托盘堆垛机立体库
环形穿梭车
码垛机器人
自动换托
自动装车

System composition

Double-deep pallet ASRS
Loop shuttle
Palletizing robot
Auto pallet-changing
Automatic loading



价值提升

仓储配送一体化
高效存取
全自动作业流程



Value enhancement

Warehousing and distribution integration
Efficient access
Automatic operation process

Control 管控环节



仓储
Warehousing



包装
Packaging



配送
Delivery

印刷行业解决方案

Solutions for Printing industry

系统组成

托盘式堆垛机立体库
有轨穿梭车
AGV
码垛机器人

System composition

ASRS for pallet
RGV
AGV
Palletizing robot



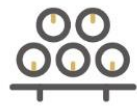
价值提升

柔性化生产
作业流程信息化
生产数据可视化

Value enhancement

Flexible production
Work flow information
Production data visualization

Control 管控环节



原料仓储
Raw material storage



半成品仓储
Semi-finished products storage



成品仓储
Finished product storage



生产物流
Production logistics

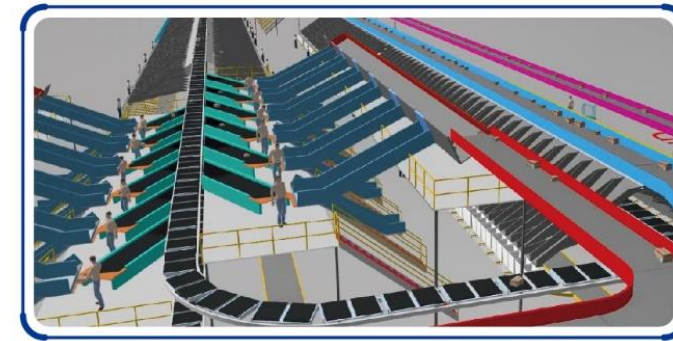
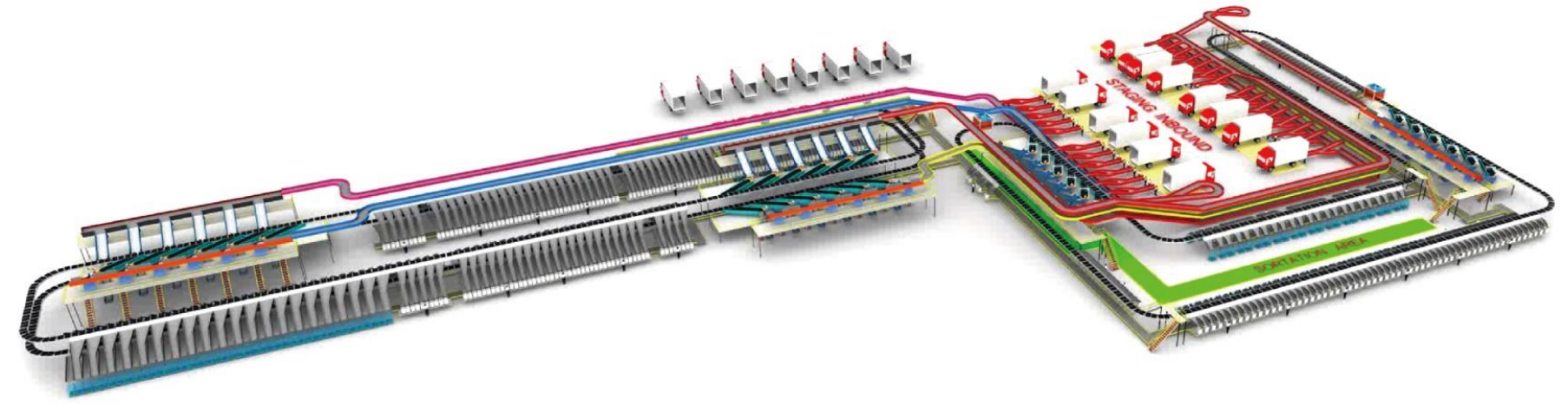


线边仓
Warehouse by production line



电商行业解决方案

Solutions for E-commerce industry



系统组成

高速交叉带分拣
动态信息识别
动态包裹检测

System composition

High-speed cross-belt sorting
Dynamic information recognition
Dynamic package inspection



价值提升

减员增效
精准分拣

Value enhancement

Downsizing for efficiency
Precision sorting



Control 管控环节



输送
Conveying



分拣
Sorting



售后服务网络覆盖全球

After-sales service network covering the whole world



售后服务 After-sales Service

100+人服务团队
More than 100 people service team

系统终身提供服务
Lifetime service of the system

1小时内及时响应
Timely response within 1 hours

4小时内最快抵达
Onsite support within 4 hours



客户至上
责任担当
开拓创新
服务精神

Customer first
responsibility
pioneering and innovation
service upmost spirit

文化 理念

CULTURAL
CONCEPT

战略 定位

STRATEGIC
POSITIONING

成为世界一流的 智能物流系统集成及服务供应商

Being the Top 1 world-class intelligent logistics system integration
and service supplier



In 2000,SIASUN Robot & Automation CO., LTD. was established.

In 2001, the automated warehouse logistics system was applied to the chemical industry

In 2002, innovatively researched and developed the first domestic heavy-duty stacker and spread it in use

In 2003, the automated warehouse logistics system was applied to the field of coinage

In 2004, the sand core casting automatic logistics control system was successfully implemented

In 2005, independently researched and developed EMS and took the lead in applying it to automobile assembly line

In 2006, innovatively researched and developed the first light stacker crane for box and Application and promotion of intelligent logistics system in power metering center

In 2007, the complete set of automated warehouse logistics system was exported

In 2008, tobacco production process logistics control system was successfully implemented

In 2009, independently researched and developed automatic power-exchange station and spread it in use.

In 2010, independently researched and developed track-switch stacker crane and spread it in use.

In 2011, the intelligent logistics system for the banknote printing workshop was successfully implemented

In 2012, the intelligent logistics system for lithium battery production was successfully implemented

In 2013, innovatively researched and developed high-performance stacker crane for box and spread it in use.

In 2014, independently developed and successfully applied the loop shuttle system

In 2015, the double-layer stacker crane was successfully applied and won the Innovation Award.

In 2016, the first explosion-proof intelligent logistics system in China was successfully implemented.

In 2017, independently developed goods-to-person picking system was applied and spread in use.

In 2018, the high-speed cross belt sorting system was implemented in the Philippines and won the Innovation Award

In 2019, the customization of vehicle-free intelligent logistics system was applied to many fields

In 2020,Intelligent storage and sorting system applied in the industry of shoes and clothes

In 2021,Intelligent Storage Logistics System applied in photovoltaic industry