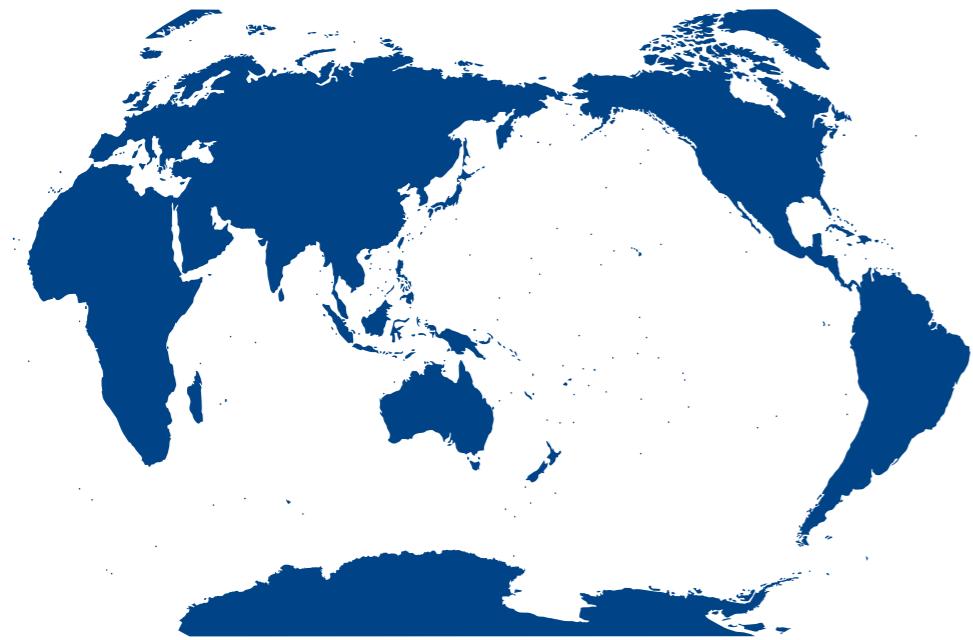
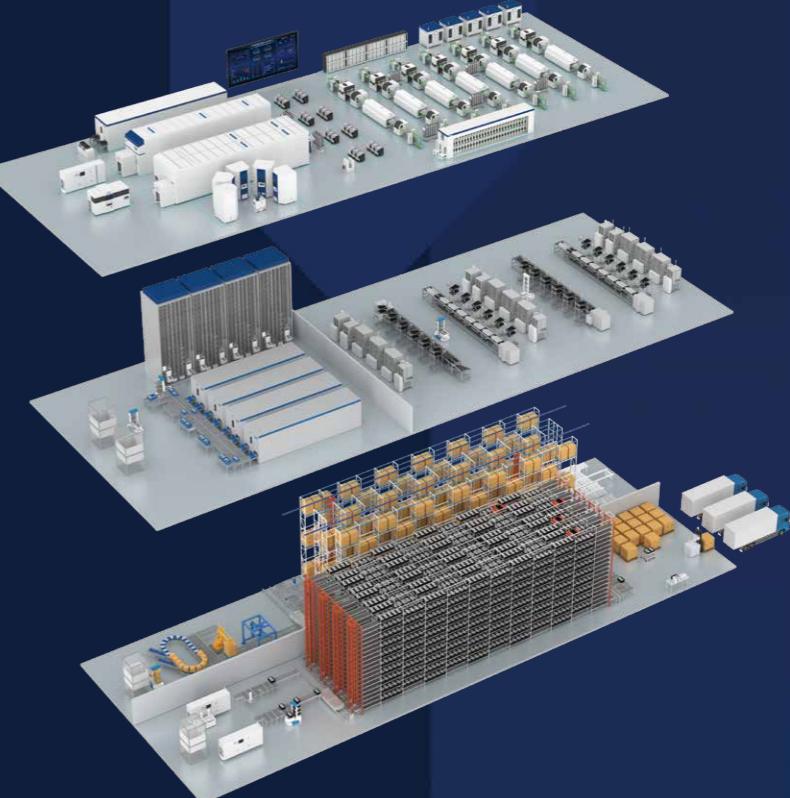


The Flexible and Scalable Material Storage Solution for the Integrated Smart Factory



- Suzhou Headquarters, China
- Shenzhen R&D Division, China
- Ho Chi Minh City, Vietnam
- Pulau Penang, Malaysia
- Tijuana, BC, Mexico
- Bayem, Germany



About us



Passioniot was established in 2014 and headquartered in Suzhou, China.

As digital and smart production-oriented total solution provider of entire smart warehousing and logistics process.

We're dedicated to improving the efficiency of material warehousing and turnover by advanced robot technology and helping enterprise realize automatic, digital and intelligent transformation and upgrading.

By always focusing on customers' demands, Passioniot helps enterprises with their intelligent operation decisions in virtue of intelligent equipment link-based material flow, data flow connected by industrial software, and data +AI algorithm.

The main products include software, hardware and total solution of intelligent plant, such as intelligent storage equipment, intelligent transfer equipment, material visual registration & detection & inventory system through machine visual, mobile IoT storage terminals, and production-oriented material execution systems, including iMHS, iWMS, WCS and RCS, etc.



**Focus on smart warehousing
Empower intelligent manufacturing transformation**

R&D

The core technical team members are from State Key Laboratory of Digital Manufacturing Equipment and Technology, and they had led and participated in many national intelligent manufacturing projects

 50%+

Proportion of R & D staff

 RELIABLE

Team members are from famous universities & enterprises with rich experience

 Nearly 10

Lighthouse Factories Successfully Built

 200+

The Team Members

 100%

Proportion of Projects Successfully Delivered

 ISO9001

International Certification Management System

 CE

Certified

SMD smart storage solution



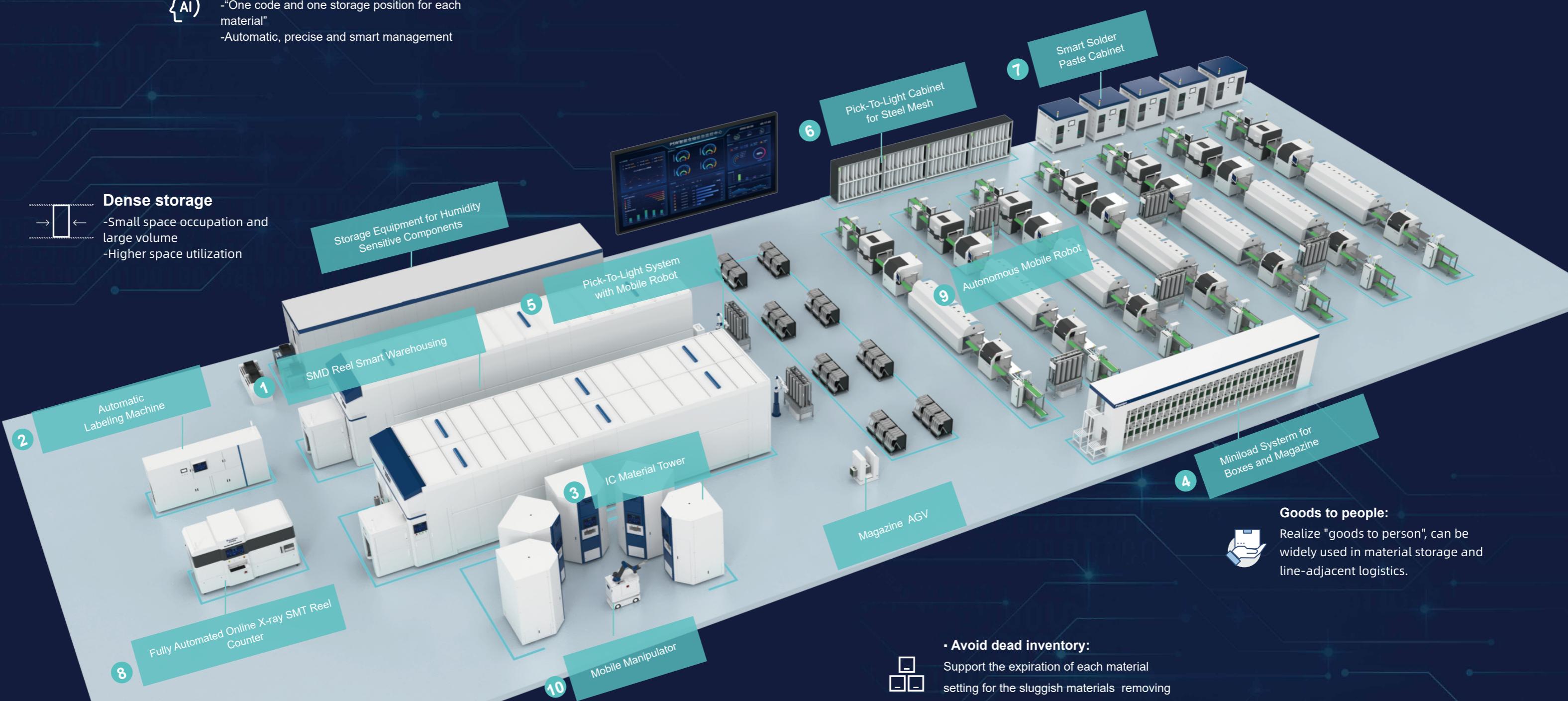
Smart management



- “One code and one storage position for each material”
- Automatic, precise and smart management

Dense storage

- Small space occupation and large volume
- Higher space utilization



SMD Reel Smart Warehousing



Smart management

- “One code and one storage position for each material”
- Automatic, precise and smart management



Efficient storage

- Dual-channel collaborative operation
- More efficient warehousing, ex-warehousing and sorting; automatic batch storage and withdrawal of materials



High accuracy sorting

- Improve material sorting accuracy and precision
- Reduce labor intensity



Dense storage

- Small space occupation and large volume
- Higher space utilization



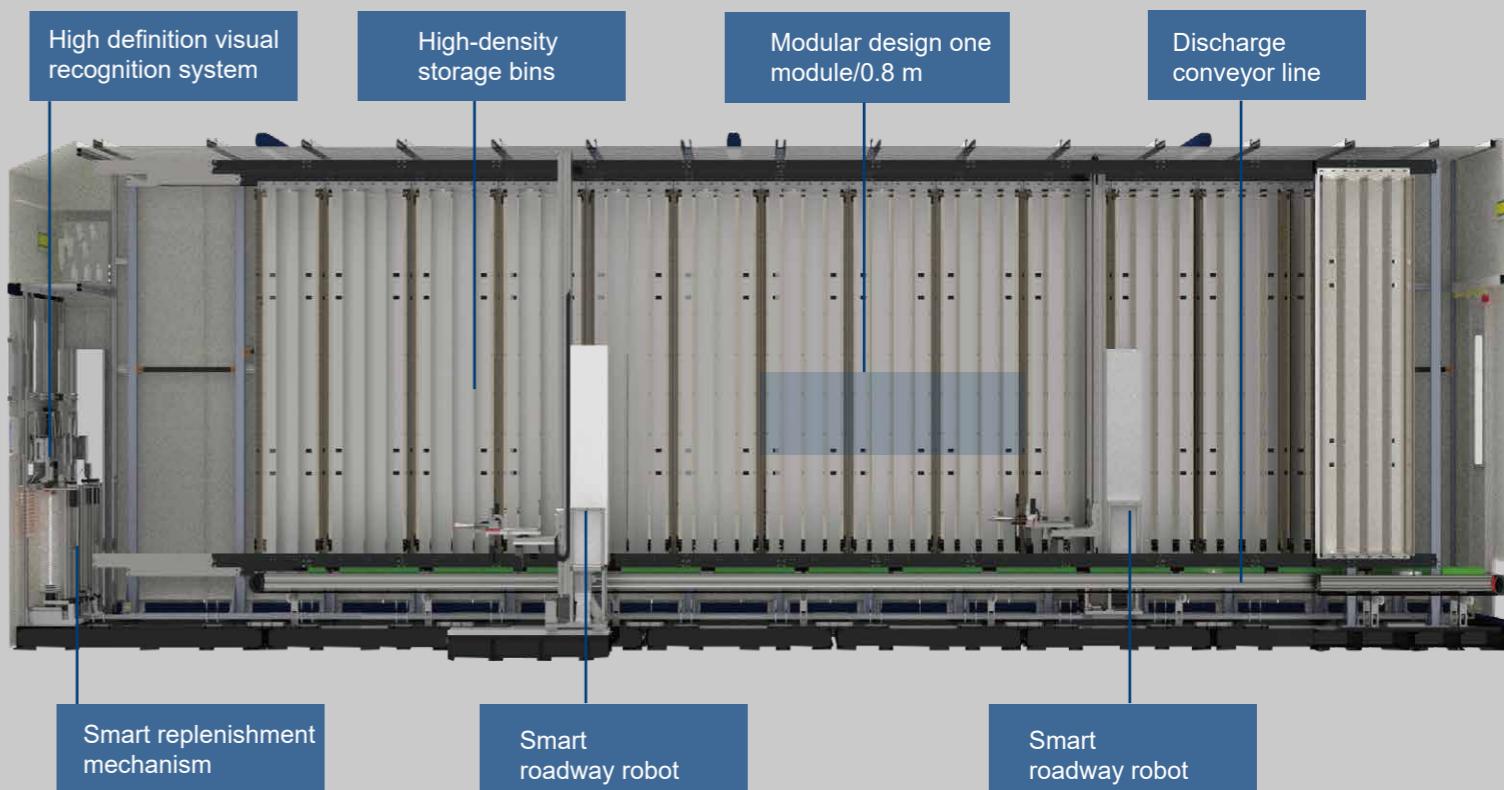
Multiple modes

- Several warehousing and ex-warehousing docking modes
- Applicable to the material conveying demands under different scenarios



Quick response

- Modular design
- Flexible and efficient response to storage demand



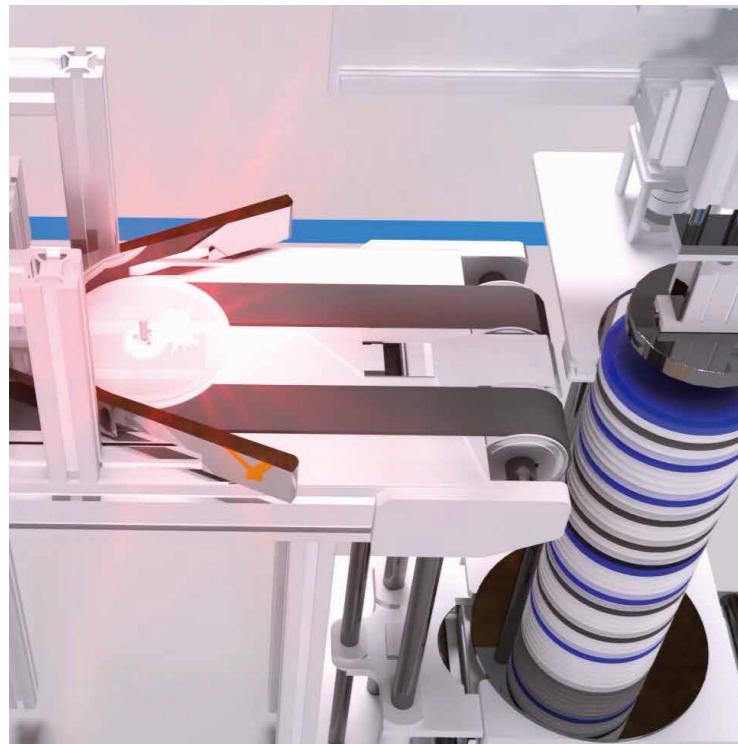
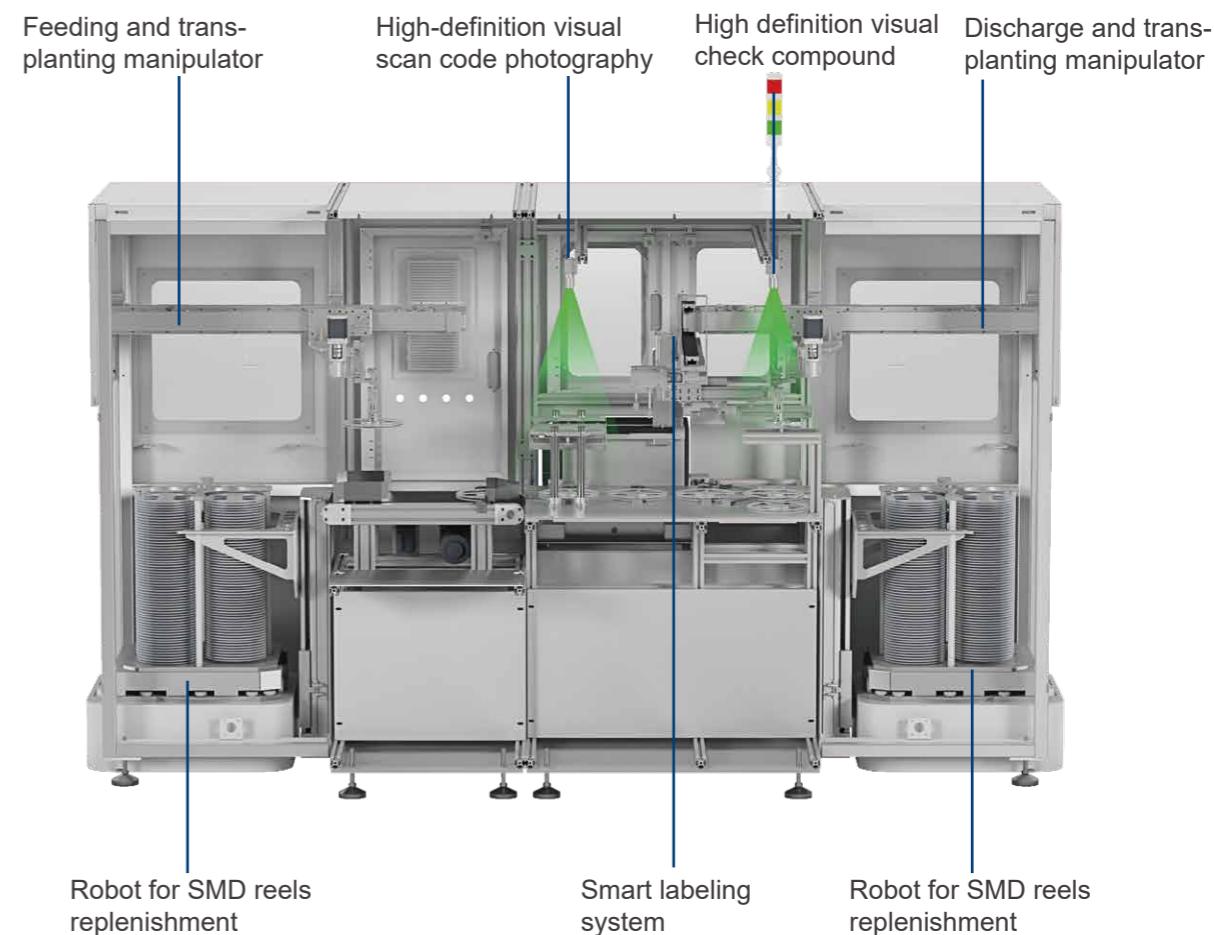
SMD Reel Smart Warehousing

SMD Reel Smart Warehousing supports “one code and one storage position for each material” automatically, precise and smart management for electronic materials. It is also integrated with such systems as ERP, MES and WMS seamlessly to realize digital, automatic and smart management of SMT material storage, sorting, ex-warehousing and inventory in the entire process.

The smart warehousing of SMT electronic charging tray could improve efficiency, reduce labor strength and lower risks of wrong materials. It supports automatic batch storage and retrieval of materials with a storage and withdrawal 5-10 s/tray.

CATEGORY	PRODUCT PARAMETERS
Equipment name	SMD Reel Smart Warehousing
Average material storage/retrieval time	Efficiency 5-10 s
Replenishing and discharging mode	Batch material continuously change through the right and left sides without stopping the equipment. Automatic material storage and withdrawal of manipulator supported; discharging port supports AGV automatic connection and conveying to designated discharging site in later stage
Type of material package	Reel
Anti-static grade	Material contacting charging tray (belt line and storage and withdrawal manipulator) $10^6 \Omega - 10^9 \Omega$
Power supply	3-phase 380 V ,AC, 50 Hz
Security protection	The e-stop switch designed with a safety hood could stop upon an emergency
Temperature and humidity monitoring function	Real-time monitoring and display of temperature and humidity of stock bin
Emergency response mechanism	Provide UPS (It can supply power for more than 30 min upon power failure) Manual material taking supported
Bar code scanning mode	One-dimensional code/two-dimensional code
Load bearing requirements	450 kg/m ² (Subject to the actual situation)

Automatic Labeling Machine



• High efficiency:

For 7", 13" and 15" trays, within 2-6 s, it can finish the whole process: original label code reading, printing of customers' labels, rotary positioning, pasting of customers' label, automatic stacking of trays, etc.

• Automated operation:

Fully automatically labeling avoids manual error

• 0 Error:

Acurately recognise, 100% recognise and label intime

CATEGORY		PRODUCT PARAMETERS
Efficiency	Efficiency	2-6 seconds/reel
	Labeling precision	≤ ±1 mm
Function	Support	Code scanning, label generation and pasting, verification and sorting
	Dimensions	L3660*W1350*H2100 mm
Specification	Weight	1000 kg
	Input voltage	220 V
Electrical engineering	Rated power	< 5 kW
	Rated current	25 A
	Diameter	178-381 mm
Model of applicable SMT reels	Thickness	8-88 mm
	Weight	< 3 kg
	Compatible length	50-120 mm
Label specification	Compatible width	15-50 mm

Material Tower



STORAGE CAPACITY *Take 7*8 mm as an example				
Height	2.6 m	2.8 m	3.0 m	3.2 m
Max. Qty.	918	1014	1110	1208

CATEGORY		PRODUCT PARAMETERS
Storage form, and storage and withdrawal speed	For SMT reels	7"(8-72 mm)/13"(8-72 mm)/15"(Optional)
	Applicable material and variety	Waffle tray/LED/tube materials/material box/circuit board/special-shape materials
	Storage and retrieval time	6-10 s
	Storage and retrieval mode	Manual (automatic mode is optional)
Bar code recognition system	Recognition method	Automatic visual identity
	Range of recognition	400*400 mm
	Bar code supported	One-dimensional code/two-dimensional code
Requirements for installation technology	Occupation size	L1550*W1550 mm(Can be customized)
	No-load weight	1200-1400 kg
	Power supply	220 V, 50 Hz, single-phase 3-wire
	Power	4 kW
	TEMP and RH	RH :5%-60% TEMP:10 °C-45 °C
	Noise	Lower than 55 dB



- Space saving:**
By only 1 m², it can storage over 500 reels/trays
*Dimension can be customized



- Muti-funciton:**
Support all the storage functions daily required,e.g.Automatic storage and retrieval, inventory management, material shortage warning, batch material taking, authority management, humidity control, etc.



- Optional work mode:**
Independently, co-work with other towers online at the same time/collaboratively with a high efficiency.



- Ease to use:**
Single set maintenance does not influence other towers; the powerful self-protection and self-recovery ability realise intelligent automatically shutdown and re-initiation under a special case so as to ensure no damage of materials and equipment and security of data storage.

Miniload system for Boxes and Magazine



- High capacity:**
High density storage, customized dimension.



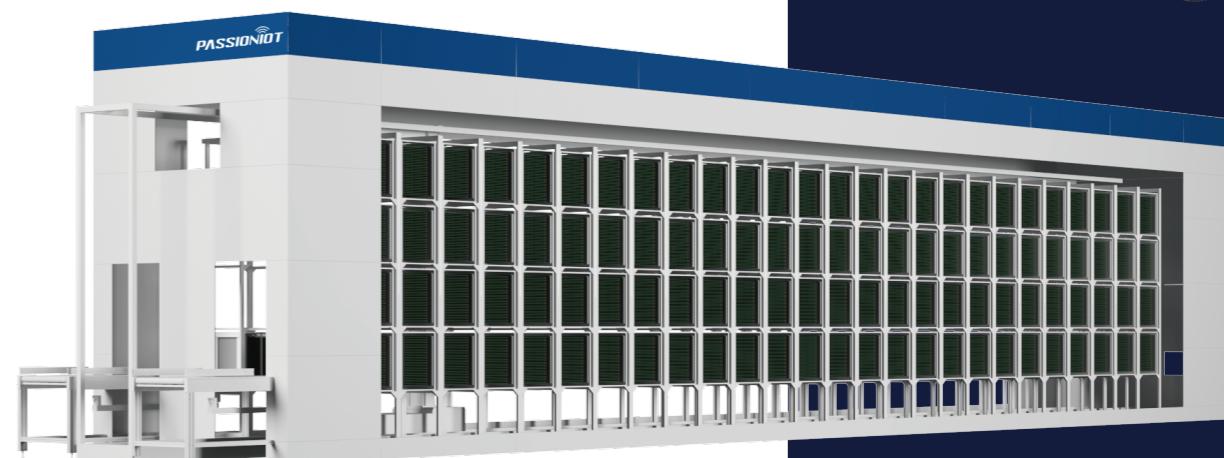
- High efficiency:**
Support multi-channels simutaneously operation.



- Automated operation:**
Fully automatically storage,counting,picking and retrial,human error and excess stock can be avoided in the source.



- Ease for management:**
The storage quantity can be displayed intime via seamless connecting with existing systems MES,ERP etc.



Pick-To-Light System



• High efficiency:

Accurately lights guiding. Storage and retrieval can be carried out at the same time, without interference with each other.



• Support multiple delivery modes:

Delivery by order, delivery by the specified storage location, delivery by the specified materials, delivery by the import data sheet.



• Avoid dead inventory:

Support the expiration of each material setting for the sluggish materials removing from the shelf in-time.



• Ease to use:

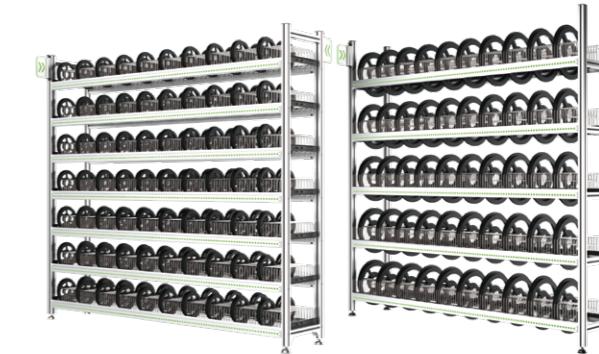
First batch material preparation or material supplementary can be distinguished by the flashing or steady on the signal light. Bound with the feeder, it can achieve real-time interaction and intelligent feeding between line-adjacent warehouse and the feeder.

CATEGORY	PRODUCT PARAMETERS	
For SMT reels	7" reels	13" reels
Standard specification	7-layer, dual-surface light for storage and withdrawal of 7" charging trays with 200 pcs per layer (1,400 pcs/group in total); Net width of standard storage location: 16 mm; blocks can be removed	5-layer, dual-surface light for storage and withdrawal of 13" charging trays with 100 pcs per layer (500 pcs/group in total); Net width of standard storage location: 16 mm; blocks can be removed
Total standard storage quantity	THK ≤ 16 mm:1400 pcs 16 mm ≤ THK ≤ 36 mm:700 pcs 36 mm ≤ THK ≤ 56 mm:466 pcs The width of the storage space can be flexibly adjusted, and it is compatible with various thickness trays; 30 mm storage position lights can be customized to store 26 mm thickness inner trays	THK ≤ 16 mm:500 pcs 16 mm ≤ THK ≤ 36 mm:250 pcs 36 mm ≤ THK ≤ 56 mm:166 pcs The width of the storage space can be flexibly adjusted, and it is compatible with various thickness trays; 30 mm storage position lights can be customized to store 26 mm thickness inner trays
Dimensions	Standard version: L2110*W400*H1900 mm Standard layer height: 265 mm	Standard version: L2110*W400*H1900 mm Standard layer height: 415 mm

Pick-To-Light System with Sensor

High efficiency turnover:

Automatic sensing of shelving discharging & trolley feeding



High sensitive:
Even transparent reels can be sensing



Widely application:

Operation scenarios such as the first set of materials and workbench material receiving are supported flexibly

Ease to use:

Co-work with AGV robot it can solve the final 100 meters material delivery to production line



CATEGORY	PRODUCT PARAMETERS	
For SMT reels	7" reels	13" reels
Storage type	7 layers of double-side storage, 1,400 SLOT/group	5 layers of double-side storage, 500 SLOT/group
Dimensions	L2130*W400*H1890 mm; layer height: 265 mm	L2130*W400*H1890 mm; layer height: 415 mm
Storage capacity	For standard 7" charging tray with a thickness ≤16 mm; thickness ≥ 17 mm can be customized	For standard 13" charging tray with a thickness ≤16 mm; thickness ≥ 17 mm can be customized
Power consumption	Power consumption of the whole equipment when LED storage location lamp is on with no warning: <20 W; max. transient power consumption of the whole equipment when all light bars give out alarm: <200 W	Power consumption of the whole equipment when LED storage location lamp is on with no warning: <8 W; max. transient power consumption of the whole equipment when all light bars give out alarm: <80 W
Supporting specification	Load capacity of single set of controller: ≥6 groups; AC220 V input, DC24 V output	Load capacity of single set of controller: ≥18 groups; AC220 V input, DC24 V output
ESD anti-static design	$10^6 \Omega - 10^9 \Omega$	
Logo light	Transparent blade luminous ceiling light at both sides; luminous logo can be customized	
Load bearing capacity	Layer load bearing capacity: ≥80 kg	
Bus protocol	Stable and reliable high-speed CANBUS bus communication	
Gravity sensing	Innovative gravity sensing, ≥50,000 times/SLOT fatigue life	
Other specifications	Each light bar is designed with uniform light bar reminder light + buzzer. It will flicker after discharging for 1 s to remind successful operation or for 10 s upon error material taking to give out alarm	
	RGB multi-color LED dismantlable light bars; dismantling time: < 1 min	



Pick-To-Light System with Mobile Robot



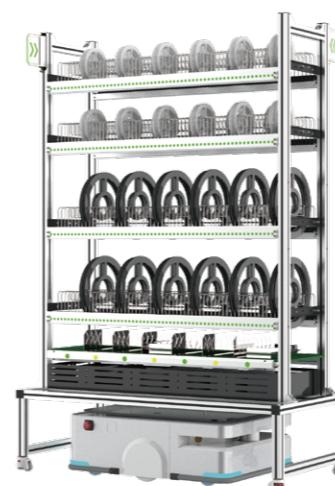
High efficiency

Simultaneously storage and retrieval,
without interference with each other.
Support the cluster collaborative opera-
tion of 1,000 sets of equipments/robots



Accurately picking

Lights guiding, ensure 100% accuracy.
It can realise material storage, sorting
and distribution.



CATEGORY	PRODUCT PARAMETERS
Standard specification	4 layers, bottom battery compartment & electric cabinet The 2nd layer, which could store three 600*400*300 mm work bins with double-sided light bars The 3rd – 4th layer, which could store 240 coils of 7" charging trays in double sides Net width of standard storage location: 16 mm
Standard storage capacity	Layer height can be customized. 13" charging tray can be stored if the height of the 3 rd – 4 th layer is increased. The specific number of layers and storage sequence along height direction can be customized
Dimensions	Standard version:L1350*W735*H1495 mm
Material	Frame & light bar:Aluminum alloy & anti-static spraying of metal plate
ESD anti-static design	$10^6 \Omega$ - $10^9 \Omega$

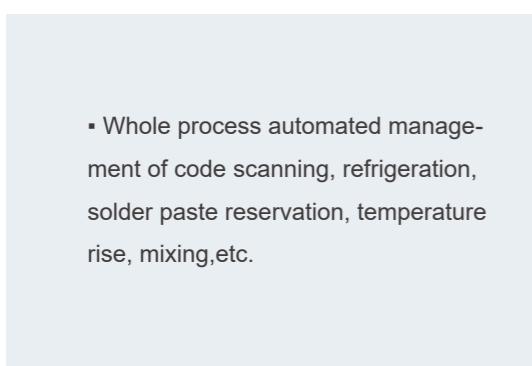
Pick-To-Light Cabinet for Steel Mesh



- Each steel mesh has one storage space and a unique code.
- Intelligent light guided with higher picking efficiency.
- Fit for steel mesh type 736 (736*736 mm) & frame thickness ≤ 380 mm.

CATEGORY	PRODUCT PARAMETERS	CATEGORY	PRODUCT PARAMETERS
Standard storage capacity	Thickness≤ 38 mm: 100 pcs 30mm storage location lamp can be customized to store steel mesh whose thickness is within 28 mm	Rated power	< 2 W/ lamp bar, max. 4 W/group
Storage location code	QR code,Paste Parallel	Bearing capacity	Standard version 80 kg/layer
Bus protocol	High speed CANBUS,CANOPEN	Spacing of storage position light	Standard version:Central distance of storage position light: 20 mm; the same axis Spacing of other customized versions:30 mm ,40 mm,50 mm,60 mm

Smart Solder Paste Cabinet



- Whole process automated management of code scanning, refrigeration, solder paste reservation, temperature rise, mixing,etc.



- Process monitoring and whole lifecycle quality problem tracking, greatly improved product quality stability.



- Seamlessly connected with systems,e.g. MES/ERP etc.

X-Ray SMT Reel Counter



Online X-ray Reel Counter

- Accurately counting.
- High efficiency: Max. 200 reels/time.
- Fully automated operation: recognise, classify,modeling, typesetting,material label printing,loading, counting and laying-off .
- Fit for all types of chip components from 7 inches to 15 inches.



Offline X-ray Reel Counter

- Accurately counting.
- Fit for all types of chip components from 7 inches to 15 inches.

CATEGORY	PRODUCT PARAMETERS
Parameters of X-ray tube	Type of light tube
	Reflective sealed microfocus X-ray source
	Operating voltage
	30~80 kV
	Operating current
Parameters of flat panel detector (FPD)	200-700 μ A
	Max. output power
	56 W
	Microfocus size
	30-40 μ m
	Type of flat panel
	Noncrystalline silicon FPD
	Pixel matrix

Logistics Conveyor Robot

	Independently automated delivery with recognition of cartons in different specifications/mixed work bins, sorting, storage and withdrawal, point-to-point handling, etc.
	Featured by small sorting particle, high deployment efficiency, low cost and strong flexibility.
	Co-work with storage rack, submersible AGV, mechanical arm, multi-functional workstation, etc.



Autonomous Mobile Robot

 Easily automate intralogistics for narrow manufacturing spaces with cost-effective solution.

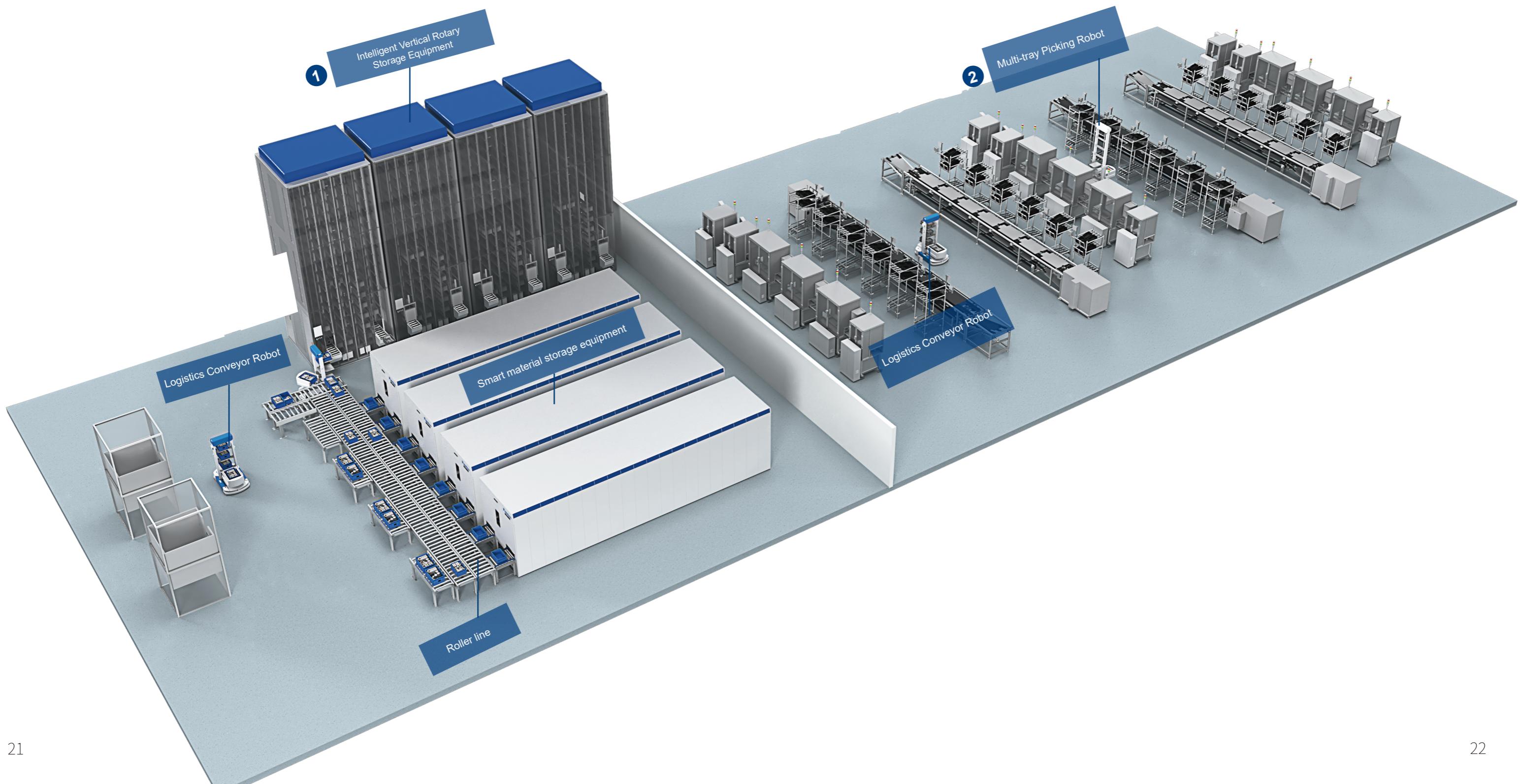
- Lifting module raises trolleys, pallets, shelves, and more.
- Secure autonomous navigation for safe and effective transport.
- Meet industry compliance standards.



CATEGORY		PRODUCT PARAMETERS
Basic specification	Dimensions	L1300*W830*H2100 mm
	Rotating diameter of machinery	1300 mm
	Dead weight	300 kg
	Navigation mode	Laser navigation
	Pickup mode	Lifting up + machine vision correction
	Max. load of the machine	120 kg
	Max. load of bin	30 kg
	Layers of basket	3
	Layer spacing of basket	420 mm
	Size of packing box for customer's project	L450*W400*H300 mm
	Lowest pickup height	400 mm
	Highest pickup height	1600 mm
	Ground flatness	± 3 mm/2.25 m ²
	Surface slope	≤ 2° or 3.5/100
Deployment parameters	Ground friction coefficient	≥ 0.45
	Allowable max. joint	7 mm
	Lowest height limitation of warehouse	2200 mm
	Max. motion speed of chassis	1.3 m/s
	Suggested driving speed	0.6 m/s
Performance indicators	Max. chassis acceleration	0.6 m/s ²
	Chassis deceleration	≤ 3 m/s ²
	Precision of stopping angle	2°

CATEGORY	PRODUCT PARAMETERS	CATEGORY	PRODUCT PARAMETERS
Model	L300-R	Path planning	Virtual tracking/ Autonomous planning
Max. load	300 kg	Positioning precision	Position precision: ± 5 mm; angle precision: ± 1°
Max. speed	1.5 m/s	Jacking stroke	60 mm
Max. rotation speed	90°/1.21 s	Jacking mode	360° rotating jacking
Vertical obstacle climbing ability	5 mm	Jacking speed	8.1 mm/s
Gap crossing ability	30 mm	Rotation speed	180°/s
Dimensions	L800*W619*H330 mm	Battery voltage	48 V
Rotation diameter	940 mm	Battery capacity	30 Ah
Weight	180 kg	Running time	8 hrs
Climbing ability	3°	Charging time	≤ 2 hrs
Navigation mode	Laser fusion navigation	Charging mode	Automatic/Manual/Fast charging

Assembly production line smart warehousing logistics solution





Mini-load Systems for Raw Material/Semi-finished Product

Intelligent management:

Vie the management of central control and scheduling system,realize automatically storage, sorting,retrieval time,real-time communication and intelligent management



Components:



Mainly consists of rack, aisle stacker, warehousing and ex-warehousing conveying equipment, automatic control and management system WMS/WCS

CATEGORY	PRODUCT PARAMETERS
Size of material unit/Rated load	L600 *W400 *H300 (mm)/30 kg Customized
Running speed	Horizontal: 0~180 m/min,Elevating: 4~40 m/min,Fork: 0~45 m/min
Motor brand/power	SEW,Horizontal: 2.2 kW,Elevating: 3 kW,Fork: 0.37 kW
Positioning/resetting precision	Horizontal, Elevating: ± 5 mm, Fork: ± 3 mm
Power supply mode	Safety slide wire, 3-phase 4-wire
Operating mode	Maintenance,manual, automatic and online automatic
Addressing mode	Horizontal: laser; Vertical: bar code; Fork: proximity switch
Control mode of stocker	PLC
Driving mode of motor	Frequency control
Power supply	AC 380 V,50 Hz
Operation mode	Single and combined circulation
Communication mode	Industrial wireless communication
Working noise	≤80 dB
Ambient temperature and relative humidity	-5~40 °C, <90% (Non-condensing)
Body color	Designated/customized by customer

Intelligent Vertical Rotary Cabinet



• Intelligent storage:

With high-density storage, Intelligent Vertical Rotary Cabinet can realize goods to people automatically and efficiently. Especially suitable for frequent access of goods.



*Capacity is customized on demand

CATEGORY		PRODUCT PARAMETERS			
Bearing limits (Unit: kg/m ²)		100-150	300-350	400-450	
Equipment specification (Unit:mm)	wide	Min.	1800	1800	
		Max.	2600	3800	
	high	Min.	1800	2200	
		Max.	2800	4000	
	deep	Min.	900	1250	
		Max.	1200	1450	
	wide	Min.	1400	1140	
		Max.	2200	3140	
	Hopper available specifications (Unit:mm)	160	215	265	
		190	247	305	
		215	278	343	
		240	310	378	
		265	342	416	
		290	374	452	
		315	405		
		340			
	deep	300	350	450	
		350	400	500	
		400	450	650	
Partial load		600	1000	1500	
Single hopper load bearing		120	300	450	
Bearing capacity of equipment (including dead weight of hopper)		3000	7500	18000	

Intelligent Vertical Rotary Storage Equipment



Passioniot intelligent rotary storage equipment can make full use of the height of the plant, through the combination of compact design and standardized modular, to achieve a large storage capacity in the minimum floor area, and the goods can be delivered to people in seconds, effectively saves picking time and cost.



*Capacity is customized on demand

CATEGORY		PRODUCT PARAMETERS				
Model	Width of the tray (mm)	Depth of the tray (mm)	Tray height (mm)	Pallets loaded with cargo weight (kg)	Area of the built-in pallet (width * depth mm)	Area of external pallet (width * depth mm)
PSA-25M	1280	860	50/75/125	250	1860*3290	1860*4190
PSB-50S	1560	660	75/125	500	2160*2680	2160*3380
PSC-75S	1960	660	75/125	750	2560*2680	2560*3380
PSD-75M	2360	860	75/125	750	2960*3290	2960*4190
PSE-25S	2660	660	75/125	250	3260*2680	3260*3380
PSF-50M	3060	860	75/125	500	3660*3290	3660*4190
PSG-25S	3360	660	75/125	250	3960*2680	3960*3380
PSH-75L	3760	1120	75/125	750	4360*4160	4360*5320
PSI-75L	4160	1120	75/125	750	4760*4160	4760*5320

Multitray Picking Robot



High efficiency:

With multiple storage trays, our automated warehouse picking robot can handle up to 9 cases simultaneously. This greatly improves warehouse picking efficiency.



Flexible payload dimensions:

The robot supports separate and mixed picking of plastic totes and carton boxes. The robot can handle a wide range of case dimensions and types.

CATEGORY		PRODUCT PARAMETERS
Basic parameters	Dimensions	L1600*W1000*H4330 mm (Customized range 1000-5530 mm)
	Dead-weight	480 kg
	Rotating diameter of machinery	1600 mm
	Max. load of the machine	180 kg (300 kg at maximum customized)
	Max. load of bin	30 kg (50 kg at maximum customized)
	Compatible size of packing case	300-600 (L)mm
	Layers of basket	1-8
	Compatible size of packing case	300-400 (W)mm
	Compatible size of packing case	120-600 (H) mm(customized, >330 mm)
	Pickup height	400-4000 mm (Can be customized to 5200 mm)
Motion performance	Max. straight movement speed	1.8 m/s
	Stopping precision along walking direction speed	± 10 mm
Charging and discharging performance	Battery capacity	43 Ah
	Charging time	≤ 1.5 min
	Quick charging time	≤ 40 min
	Endurance after full charging	≥ 6.6 hrs

Mobile Manipulator



Collaborative work:

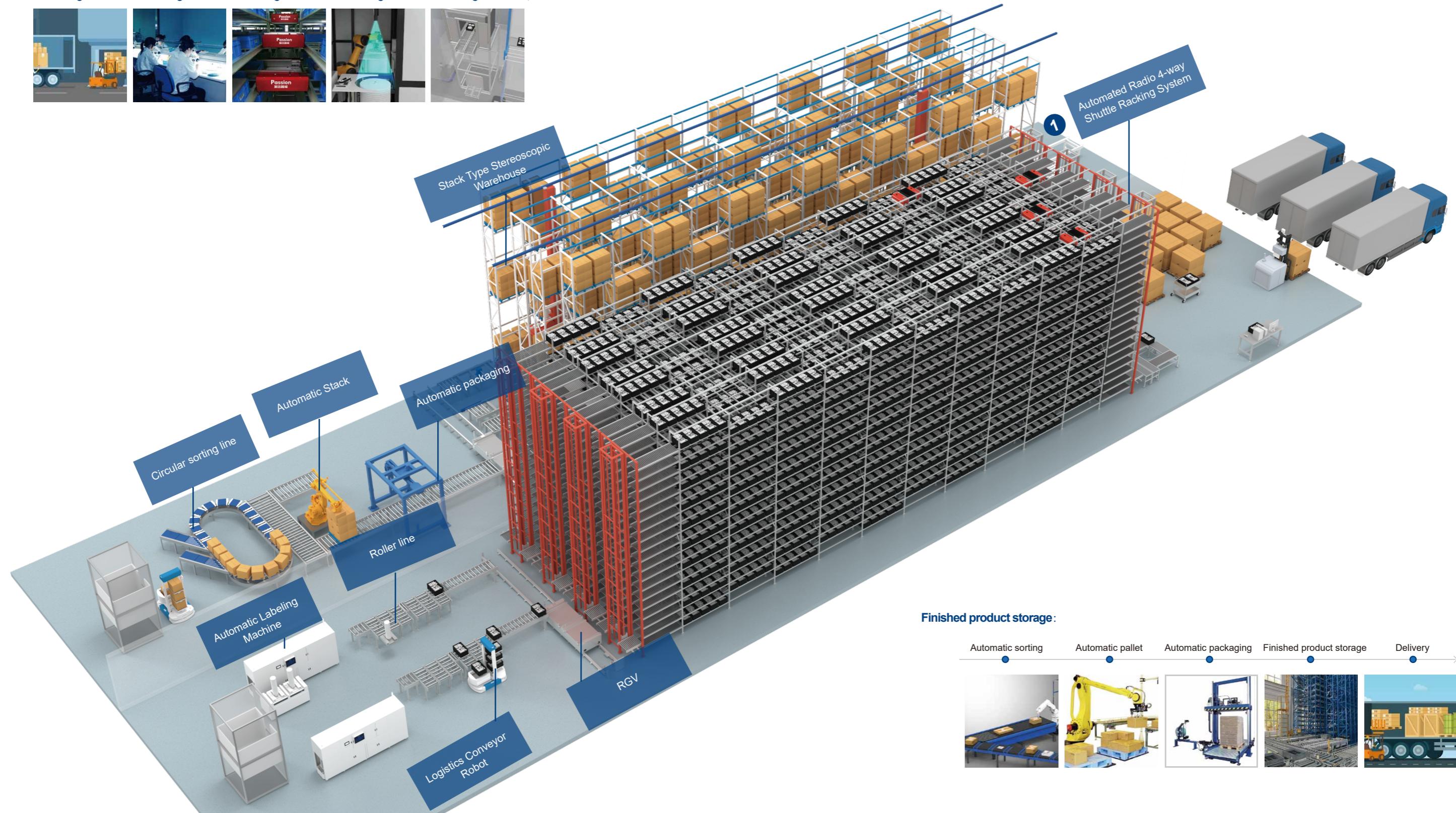
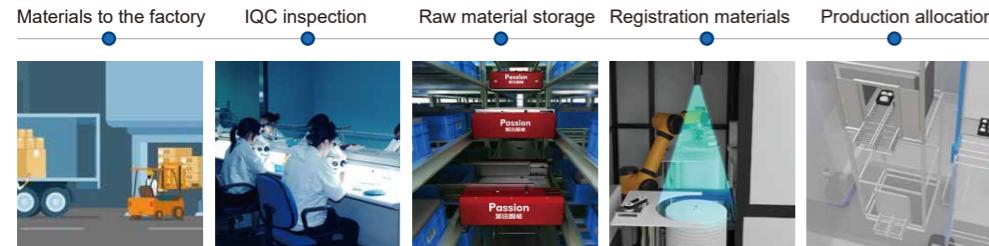
Co-work with mechanical arm, vision and clamping jaw, it can realize to transfer, feed and discharge different materials or devices (e.g. wafer case, charger, Tray, etc.) among different process equipment efficiently.



CATEGORY	PRODUCT PARAMETERS	CATEGORY	PRODUCT PARAMETERS
Max. speed	1.2 m/s	Working radius of mechanical arm	1300 mm
Max. rotation speed	180°/s	Load of mechanical arm	10 kg
Vertical obstacle climbing ability	5 mm	Positioning precision at the end of manipulator	± 0.1 mm at maximum
Gap crossing ability	30 mm	DOF	6
Dimensions	L1140*W792*H1189 mm	Storage location	8
Rotation diameter	1176 mm	Visual positioning precision	±1 mm/± 1°
Weight	240 kg	Battery voltage	48 V
Climbing ability	4°	Battery capacity	60 Ah
Navigation mode	Laser fusion navigation	Running time	10 hrs
Path planning	Virtual tracking/autonomous planning	Charging time	≤ 2 hrs
Positioning precision	Position precision: ± 5 mm; angle precision: ± 1°	Charging mode	Automatic/Manual/Fast charging

Automated storage solutions for finished products

Raw material storage:





Stack Type Stereoscopic Warehouse

Passioniot's automatic stereoscopic warehouse for finished products (AS/RS) has integrated Passioniot's smart warehousing and logistics central control platform, intelligent storage equipment and automatic logistics equipment. It can finish storage and retrieval goods automatically and efficiently.



Basing on detail requirements, it can consist of various types of warehouse management software, graphic monitoring and scheduling software, bar code recognition and tracking system, transfer robot, AGV trolley, goods sorting system, stacker addressing system, stacker control system and goods allocation detector etc.

CATEGORY	PRODUCT PARAMETERS
Mode	Custom
Structural form/Goods type	Dual-column ground supporting straight dual-fork and dual-retractable fork, single goods
Unit size/rated load of material charging tray	Customized /600 kg
Running speed	Horizontal:4-150 m/min,Elevating:0-30 m/min,Fork:0-30 m/min
Motor brand/power	SEW,Horizontal:5 kW,Elevating:13 kW,Fork:0.75 kW
Positioning/resetting precision	Horizontal,Elevating: \pm 5 mm,Fork: \pm 5 mm
Power supply mode	Safety slide wire,3-phase 4-wire
Operating mode	Maintenance,manual, automatic and online automatic
Addressing mode	Horizontal: laser; Vertical: bar code; Fork: proximity switch
Control mode of stocker	PLC(Mitsubishi FX/Siemens series)
Driving mode of motor	Frequency control
Power supply	AC 380 V 50 Hz
Operation mode	Single and combined circulation
Communication mode	Industrial wireless communication
Working noise	\leq 80 dB
Ambient temperature and relative humidity	-5~40 °C, < 90%(Non-condensing)
Body color	Designated/customized by customer



Automated Radio 4-way Shuttle Racking System



Strength loading ability:
850 kg/1500 kg, fit for most of application scenarios.



Space saving:
Its dimension can be customized to warehouse space.



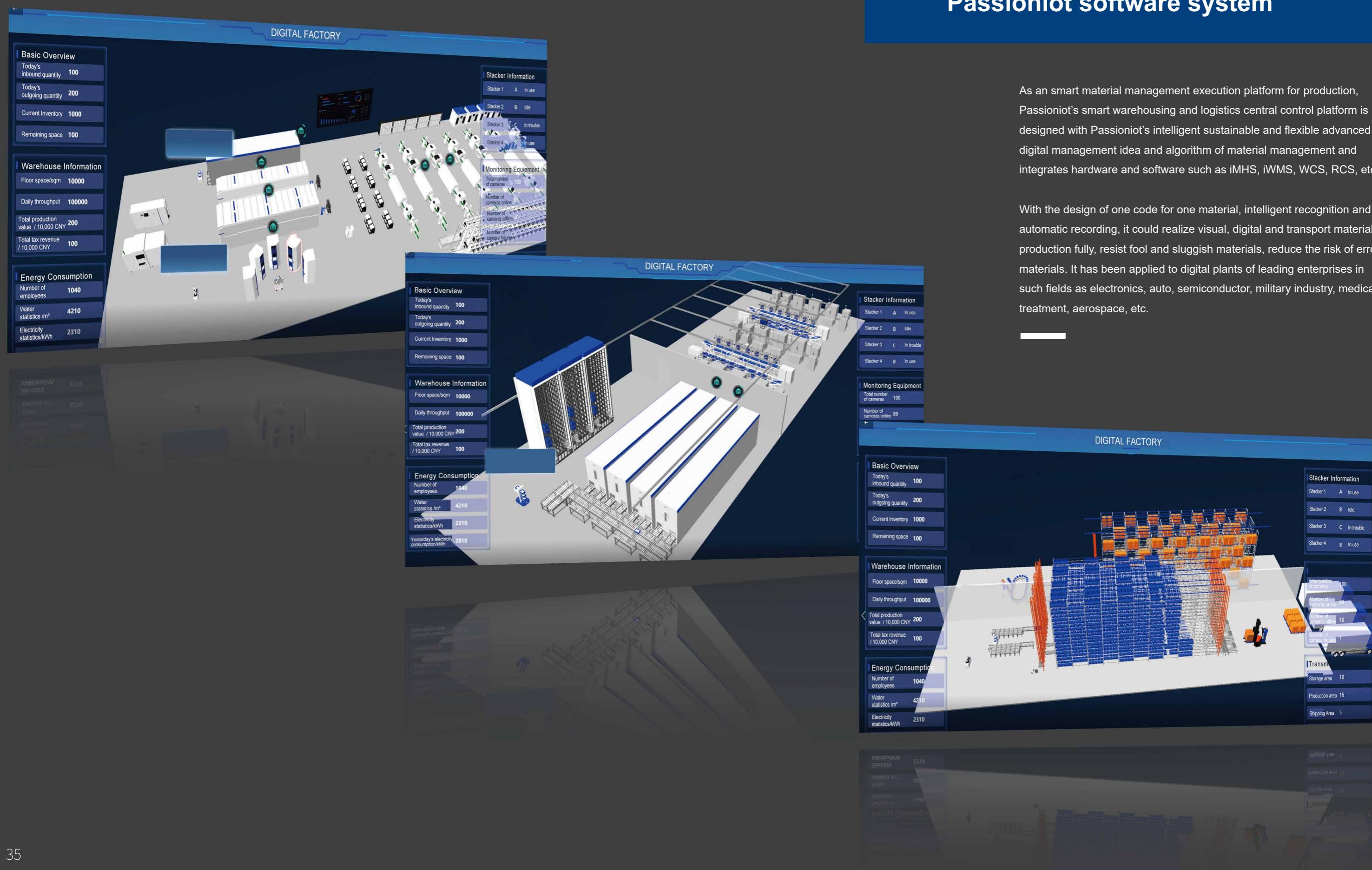
Flexible-delivery:
Co-work with lifts, pallets can be delivered in 4-way and 3-dimensional space.



Goods to people:
Realize "pallets to people", can be widely used in material storage and line-adjacent logistics.

CATEGORY	PRODUCT PARAMETERS
Dimensions	L1150 mm* W980 mm* H160 mm
Rated load	850 kg/1500 kg
Self-weight	268 kg/298 kg
Lifting mechanism form	Mechanical
Guide rail form	High and low rail
Communication mode	WIFI
Maximum speed	Unload 1.8 m/s, Full load 1.2 m/s
Emergency braking distance with full load& high speed	1500 mm/1800 mm (normal:2500 mm)
Running acceleration	0.5 m/s ²
Positioning accuracy	± 2 mm
Jacking/redirection stroke	40 mm
Changeover time with no/full load	3.5 s
Pallet jacking and placing time	3.5 s
Safety	360°laser obstacle avoidance (distance:1500 mm)

Passioniot software system



As an smart material management execution platform for production, Passioniot's smart warehousing and logistics central control platform is designed with Passioniot's intelligent sustainable and flexible advanced digital management idea and algorithm of material management and integrates hardware and software such as iMHS, iWMS, WCS, RCS, etc.

With the design of one code for one material, intelligent recognition and automatic recording, it could realize visual, digital and transport material production fully, resist fool and sluggish materials, reduce the risk of error materials. It has been applied to digital plants of leading enterprises in such fields as electronics, auto, semiconductor, military industry, medical treatment, aerospace, etc.

Warehousing Management System



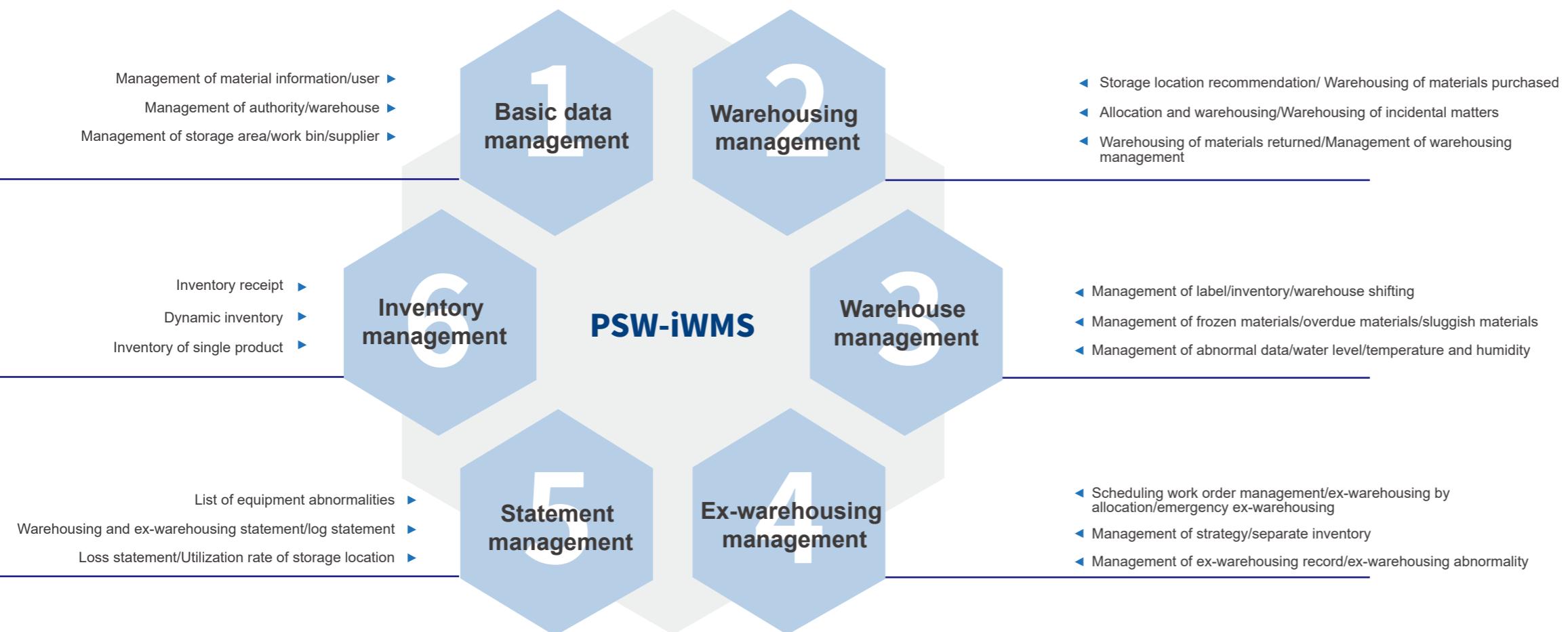
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Passioniot warehousing management system could provide networked warehouse management solution of multiple warehouses/cargo owners/customers as well as fine warehouse operation management, flexible business process, value-added business services, automatic charging engine and visual operation analysis.

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The warehouse system can be used in warehouses and distribution centers of various industries and support individualized demands of different modes (wholesales, retailing, B2C and production), different formats (supermarket, store and convenience store) and different warehouses.

It could enhance warehouse operation efficiency, inventory accuracy, warehouse turnover rate comprehensively, track employees' operation performance and provide enterprises with transparent, real-time and visual warehouse management experience.



Our customers include leading enterprises from such fields as 3C, auto, semiconductor, aviation, aerospace, shipping, etc., including Foxconn, PEGATRON, SMIC, HUA TIAN, TDK, TOSHIBA, Schneider Electric, GREE, Midea, BYD, Goertek, OPPO, INOVANCE, SCC, TPV, CEC, CSIC, AVIC, CNNC.

											
3C ELECTRONIC											
											
AUTOMOTIVE ELECTRONICS											
RAIL TRANSIT											
ELECTRICAL ENGINEERING											
AVIATION & AEROSPACE											
SEMICONDUCTOR											
WAREHOUSING INTEGRATION											
NEW ENERGY											