



Automatic logistics

Robot labelling

#### Overview

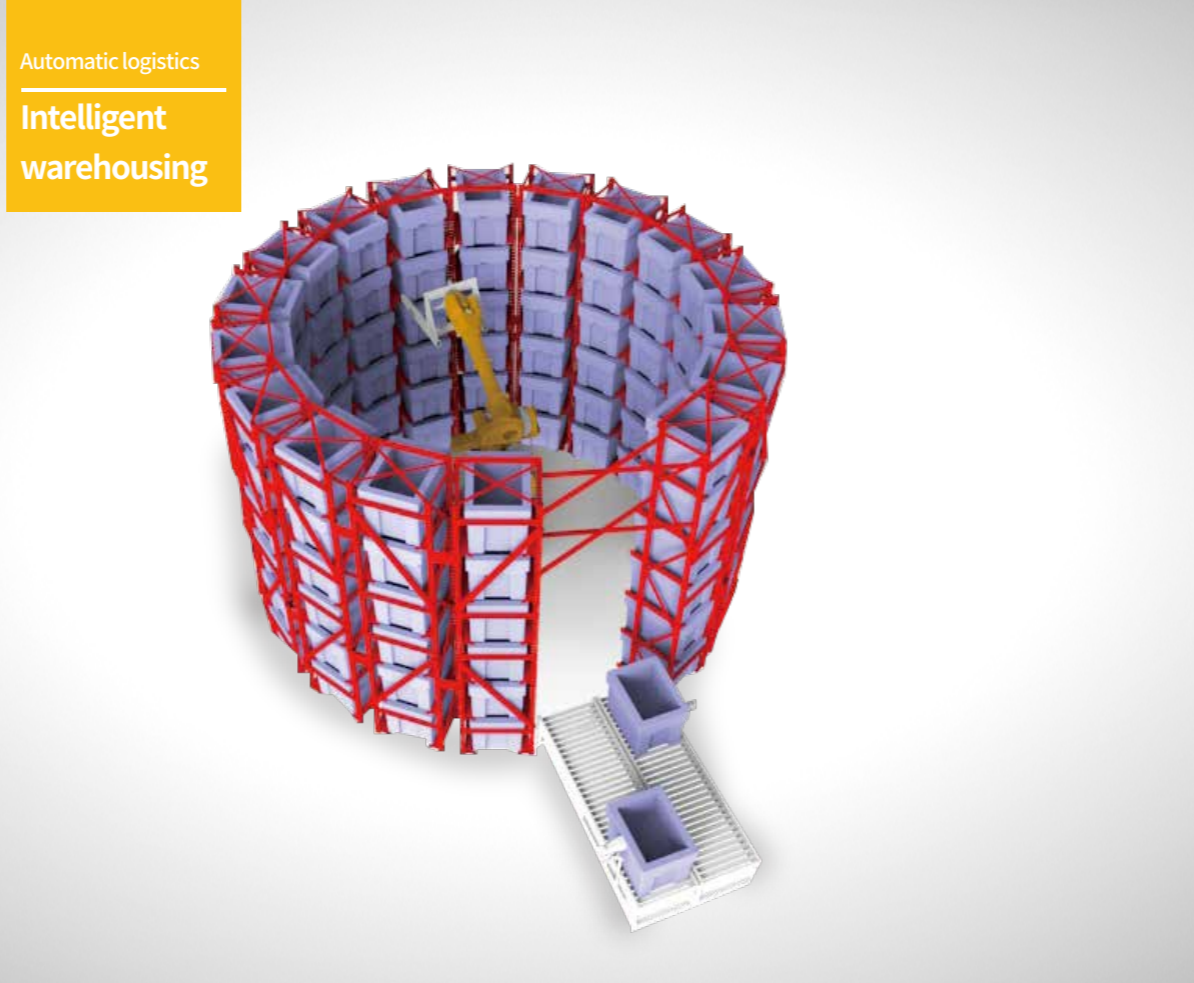
Robot labeller, a self-developed product of our company, mainly consists of parallel robots, label stripping mechanism, positioning mechanism and conveying line, and it is an advanced labeling device in China.

#### Equipment characteristics

- 1 It is suitable for labeling boxes with large size differences.
- 2 The switching between different types of boxes is easy and quick.
- 3 It has high flexibility and can meet different labeling requirements.
- 4 It features accurate labeling.
- 5 It features fast labeling.

#### Equipment parameters

Applicable box types	<450x450mm
Production capacity	20 labels/min
Fixture	Vacuum absorption
Label supply mode	Automatic stripping
Applicable scope	It is applicable for factories, logistics, warehousing, e-commerce and other industries.



Automatic logistics

Intelligent warehousing

#### Overview

The intelligent circular warehousing system integrates the material incoming/outgoing conveying line, screen bar code recognizer, circular shelves, in-and-out warehousing robots, fixture, etc.; the whole system is standardized and modularized, applicable to the incoming/outgoing management and temporary storage of materials in such fields as e-commerce, lumber furniture and logistics warehousing.

#### Equipment characteristics

- 1 The turnover boxes are used as the carrier for material loading and storage.
- 2 The system can identify the turnover boxes to be stored, allocate positions for them and record their locations.
- 3 The shelves are arranged in circular to make the best of the reachable range of the robots for the handling of the turnover boxes between the material incoming/outgoing conveying line and the shelves.
- 4 The system has a high adaptability and can meet the requirements on storing and taking products of various specifications.

#### Equipment parameters

Robot load	150Kg
Beat	12s
Height of shelves	3950mm
Floor area of equipment	φ6800mm
Storage bins	100pcs
Size of turnover boxes	L*W*H800*600*600
Equipment power	16KW

Automatic logistics

Robot loading



#### Overview

The automatic loading system includes the moving platform, robot, fixture, conveying system and control system. The optimal stacking mode can be calculated by the system according to the stacking requirement for loading, stacking sequence and box type; the robots move in the truck or container car and automatically load the paper boxes conveyed from the outside.

#### Loading line

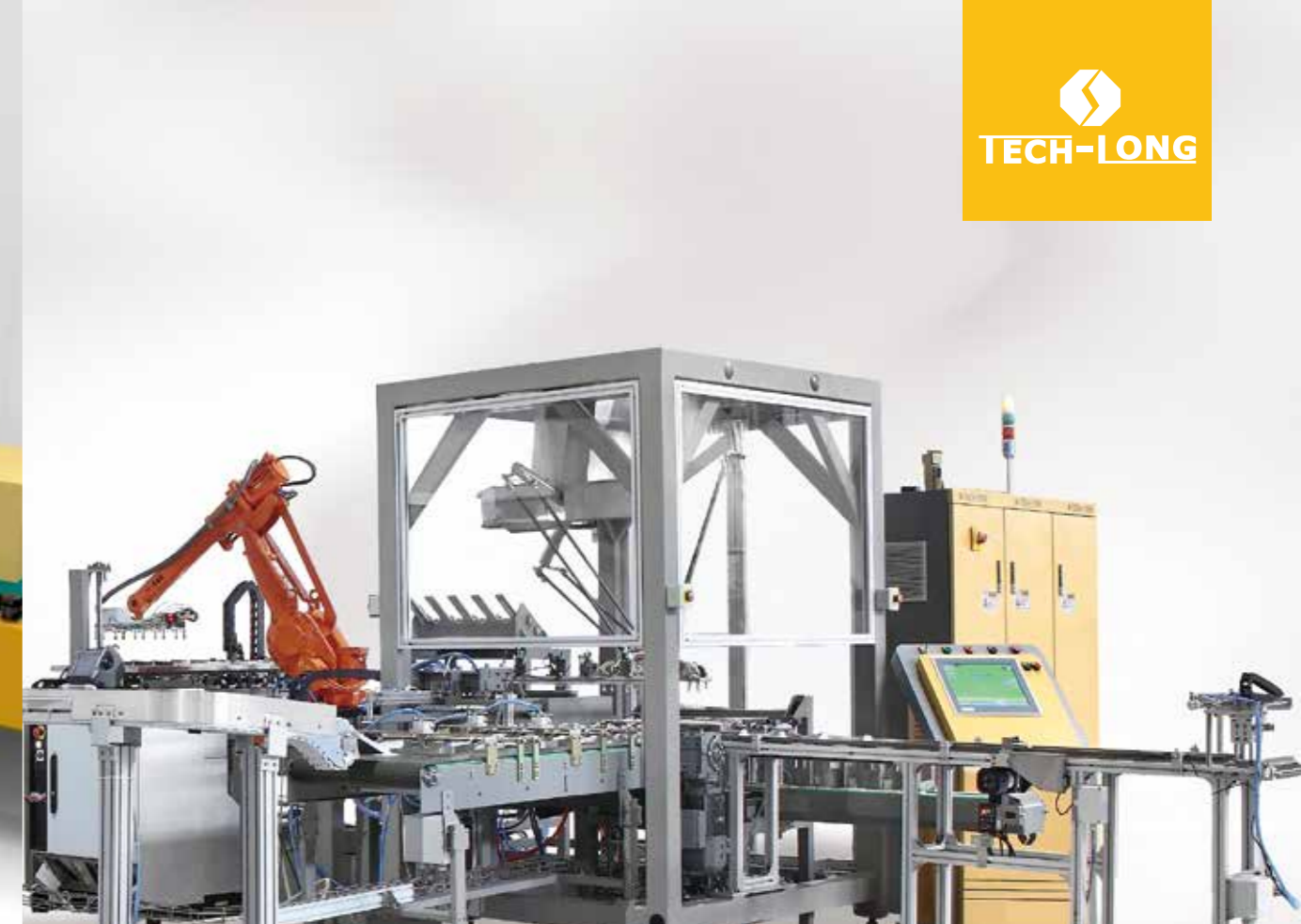
- 1 The loading line includes the automatic loading system;
- 2 Automatic conveying system and automatic unstacking system.

#### Equipment characteristics

- 1 It combines unstacking, conveying and loading, relieving the labor intensity, improving the working environment, enhancing the efficiency and making the logistics system smarter.

#### Equipment characteristics

- 1 Relief the labor intensity of the stevedores;
- 2 Improve the working environment;
- 3 Reduce the goods damage rate.



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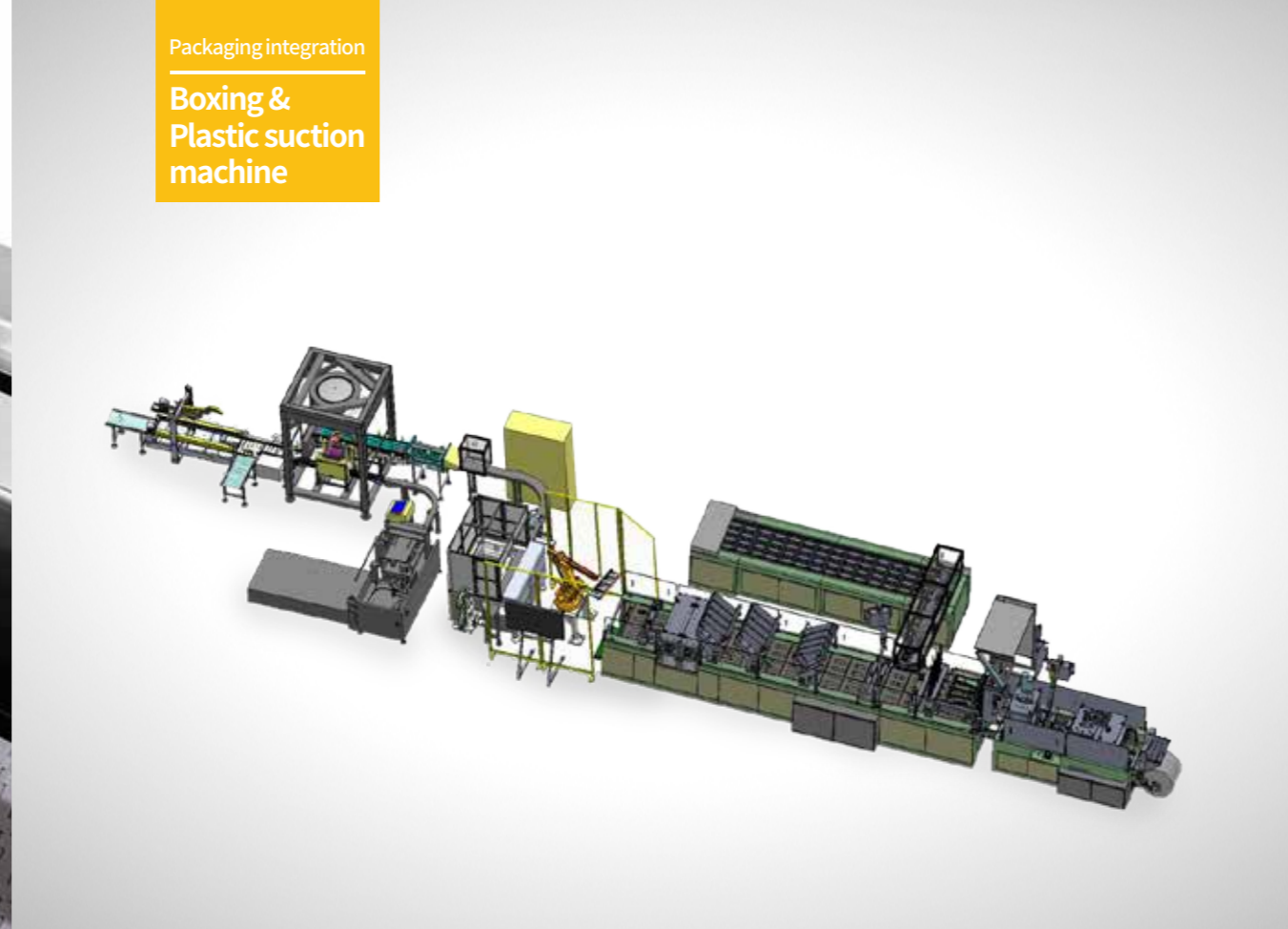
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Packaging integration  
Sorting



Packaging integration  
Boxing & Plastic suction machine



Packaging integration  
Box filling machine



Packaging integration  
Palletizing

**Overview**

Visual precise positioning is adopted for the robot sorting line; the robot can grab fast and accurately with the vacuum chuck or pneumatic clamping jaw.

**Equipment characteristics**

- 1 Stable performance with high flexibility.
- 2 Fast pickup and fast fixture switching.

**Equipment parameters**

Applicable products	Food (Sausages, meat pies, biscuits, chocolate and sweets), medical, daily chemical, hardware and other industries.
Production capacity	60-600 times/min
Accurate positioning	±0.1mm
Fixture	Grab with vacuum chuck / pneumatic clamping jaw
Applicable scope	It is suitable for the product sorting in food, daily chemical, medicine and other industries.



**Overview**

This is a toy packaging system consisting of plastic molding machine, robot boxing machine, box unpacking machine, robot box filling machine and box sealing machine.

**Equipment characteristics**

- 1 paper and plastic packing and boxing for toys, automatically detects and rejects the defective products.
- 2 Automatic feeding, heating, forming and cutting of PET or PVC sheets with small floor area.
- 3 adding blister card, heat sealing and stamping of toys can be completed automatically. Each mechanism is of modular structure and the functional modules can be increased or deleted according to different products.
- 4 between the overturn feeding and transfer, punching, hooking, sealing and sticking, labeling, detection & rejection, box unpacking, filling and sealing.

**Equipment parameters**

Applicable products	Whole line of paper and plastic packaging
Equipment capacity	10-12 moulds / min for plastic suction forming (The quantity of each mould varies for products of different sizes)
Applicable products	Paper and plastic packaging products, such as PET and PCV
Applicable scope	Widely applied to industries of toy,electron, hardware and 3C.



**Overview**

Box filling machine is a self-developed new product equipped with the functions of automatic material management, visual positioning or automatic grouping, box filling can be fully completed by robot and closely combined with box unpacking machine and box sealing machine, and it can be used for secondary packing for various bag-packed or box-packed products.

**Equipment characteristics**

- 1 PLC control for the whole line with fully automatic operation.
- 2 It features such advantages as high-level automation, stable control, simple adjustment, easy operation and maintenance.

**Equipment parameters**

Capacity	30-240 bags/box/min
Flexibility	It is suitable for many product sizes.
Switch	Short switching time between products
Applicable scope	Bag-pack ed and box-packed products, such as foods, medical products, chemicals, hardware.



**Overview**

Robot palletizer is an integration of robot, fixture, product conveying system, grouping mechanism and pile plate conveyor. The whole palletizing process of box filling, turning and grasp is completed automatically with simple, easy and high-efficient operation.

**Equipment characteristics**

- 1 Robot palletizing has the advantages of high automation, stable control, simple adjustment and easy operation and maintenance.

**Equipment parameters**

Palletizing capacity	30-60 boxes/min
Applicable scope	Cartons, plastic boxes, woven bags, etc.
Palletizing size	1250×1250×150 mm
Grasping mode	Chuck and fixture

