BUILD A “SMART FACTORY” GUARANTEE WITH NINETEEN YEARS OF NON-STANDARD SYSTEM INTEGRATION EXPERIENCE!

Overview

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

It is suitable for labeling boxes with large size differences.

The switching between different types of boxes is easy and quick.

It has high flexibility and can meet different labeling requirements.

It features accurate labeling.

It features fast labeling.

Overview

The automatic loading system includes the moving platform, robot, fixture, conveying system and control system. The automatic loading system can be utilized by the system according to the loading requirements for incoming and outgoing conveying lines.

The system is high adaptability and can meet the requirements of incoming and outgoing conveying products of various specifications.

It can relieve the labor intensity of the stevedores; improve the working environment; and reduce the goods damage rate.

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.

The system has a high adaptability and can meet the requirements of incoming and outgoing conveying products of various specifications.

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 parameters

- **Robot load**: 150kg
- **Beating time**: 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
- **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**

**Robot labelling**

**Automatic logistics**

**Robot loading**

**Intelligent warehousing**

**Automatic logistics**

**Robot labelling**

**Automatic logistics**

**Robot loading**

**Intelligent warehousing**
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.

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.

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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.

Capacity
30-240 bags/box/min

Flexibility
It is suitable for many product sizes.

Switch
Short switching time between products

Applicable scope
Bag-packed and box-packed products, such as foods, medical products, chemicals, hardware.

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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.

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 PVC

Applicable scope
Widely applied to industries of toy, electron, hardware and 3C.

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

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.

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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.

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