

## 80 series conveyor belt

### Basic Information

- Model Number: VR120 Series



### Product Specification

- Machine Model: VZ170-X
- Product Air Pressure: 0.5-0.8 MPa
- Product Dimensions: 2150\*980\*1850mm
- Detection Speed: Approximately 300-650 Birds/minute
- Rated Power: 2.5KW
- Product Power Supply: AC220V
- Detection Accuracy: 0.01mm
- Discharge Port Height: 700mm
- Product Weight: 980kg
- Scope Of Application: Various Bottles

## Product Description

### System Introduction:

The VZ170-X linear conveyor inspection machine is designed for inspecting plastic parts. It can detect and reject defects such as black spots, gaps, flash, unfinished parts, and dimensional inconsistencies. It automatically counts qualified products and distributes them to designated collection containers. This series of equipment features a double-layer conveyor belt with an adsorption function.

### Equipment Features:

1. The inspection machine performs 360° visual inspection of products. Utilizing deep learning, it accurately analyzes the filling port and distinguishes between defects, enabling more precise product screening.
2. It supports the inspection of transparent bottles made of PET, polyethylene, acrylic, and glass. Transparent products present greater challenges for optical screening; therefore, the machine is customized for each product and analyzes ambient light using deep learning. It can inspect the bottle bottom, appearance, bottle mouth, and threads.
3. Real-time data storage; real-time images of inspection results; dynamic display of operating status. It allows for rapid modeling and variety management based on different products, enabling product counting and boxing statistics. It is compatible with multiple product specifications and is easy to debug.
4. Complies with GMP standards.

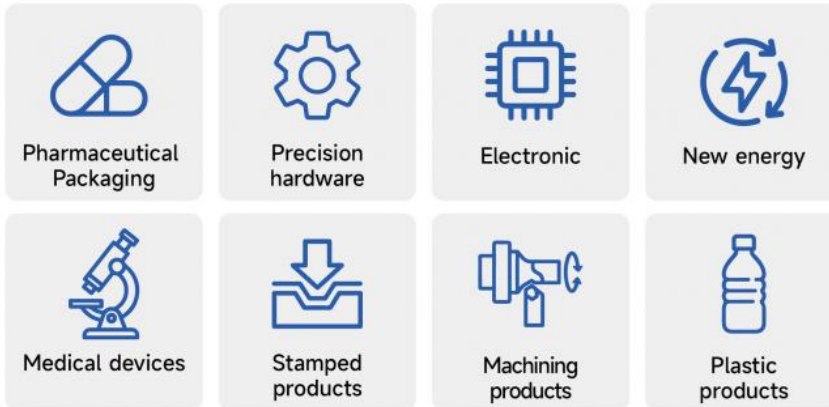
## Company Profile:



Shanghai Worun Hezhong Intelligent Technology Co., Ltd. is a national high-tech enterprise with many years of experience in the field of visual inspection. We integrate technology research and development, equipment production, sales and service, and are also a leading provider of comprehensive AI visual inspection solutions.

## Positioning: Provider of industrial vision inspection equipment and solutions

Service industries: pharmaceutical packaging, precision hardware electronics, new energy, etc.



## ■ Core advantages

### Ultra-high precision

Defect identification at the 0.02mm level, with a detection accuracy of 99.98%.



### AI intelligent algorithm

Autonomous deep learning model, one-click adaptation to complex appearances



### Stable and reliable

24/7 continuous operation reduces labor costs by 70%.



### Full-scene customization

From stand-alone machines to production lines, from standard machines to complete line integration



## ■ Core technologies



High-definition  
visual imaging  
system



AI deep learning  
defect detection



Multidimensiona  
l dimensional  
measurement



Flexible feeding  
and automated  
docking



High-speed image  
acquisition and  
processing

## Product Matrix

### 01 Standard AI Vision Inspection Machine



Appearance defects

Size measurement

Mixed material  
identification



## 02 Specialized Testing Machine for Pharmaceutical Packaging



Rubber stopper

Bottle cap

Syringe

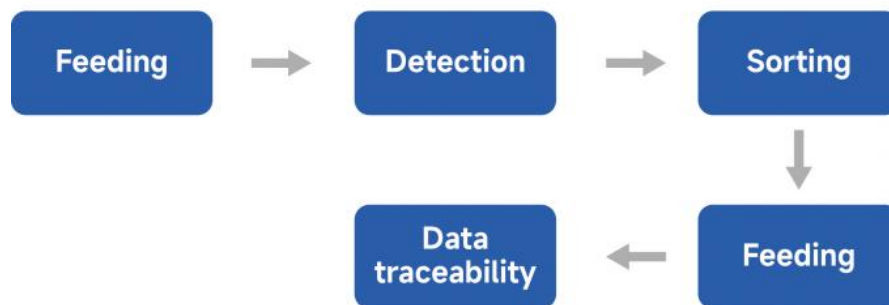
Full inspection of medical components



## 03 Precision Components / Hardware / Electronics Testing Solutions



Integrated automated testing of the entire production line



## Industry Solutions

### Pharmaceutical/Medical Device Components



Halogenated butyl rubber stoppers for injection



Halogenated butyl rubber stoppers for sterile powders for injection



Halogenated butyl rubber stoppers for injection freeze drying



Piston for disposable syringes



Gaskets for micro-adjustment valves



Butyl rubber stoppers for disposable blood collection tubes



Pharmaceutical synthetic polyisoprene pads



Blood collection needle protective cover



Pad



Heparin rubber stopper



Yellow natural rubber injection molded parts



Gourd-shaped injection mold



Float valve



Straight-tube injection molding



Urinary catheter rubber plug

## Food/Pharmaceutical Packaging



Dark amber glass bottle



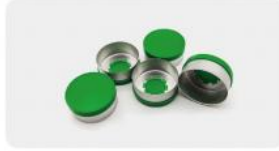
Pharmaceutical glass bottles with screw caps



glass bottle



Flip-top bottle seal



Halogenated butyl rubber stoppers for injection



Screw cap, gold, silver, aluminum metal cap

## Precision hardware/ stamping parts



## Plastic parts/ structural parts



## New energy/ electronic small parts



## ■ Typical Clients and Cases

Serving 300+ manufacturing enterprises



**Case Study: A pharmaceutical packaging factory → Efficiency increased by 300%, and the false negative rate dropped to 0.**

## ■ Research and Development and Quality



Independent R&D team



Multiple patents  
and software  
copyrights

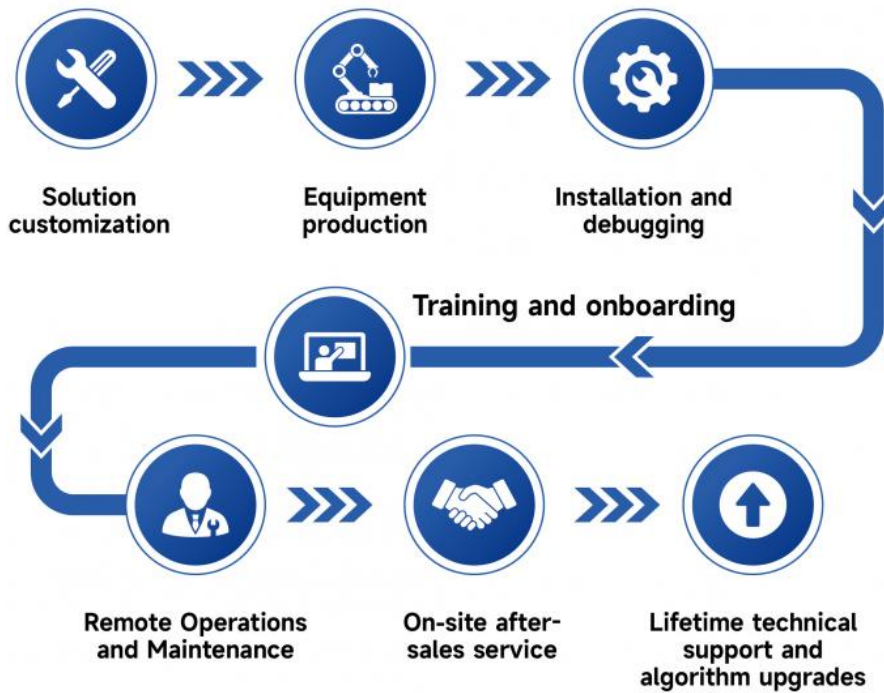



Strict quality  
control and factory  
calibration



Iterative Algorithms  
and Device Models

## Service system



 **Seabird Shanghai Seabird Home Co., Ltd.**

+86 13584159110

[jed@jiangyinhongmeng.com](mailto:jed@jiangyinhongmeng.com)

[needles-syringes.com](http://needles-syringes.com)

Room 303A, 3F, No.4, Lane 58, Muchuan Road, Sijing Town, Songjiang District, Shanghai, P.R. China