

Conveyor Belt Clamping Structure - VZ170 Series

Basic Information

- Model Number: VR120 Series



Product Specification

- Machine Model: VZ170
- Product Air Pressure: 0.5-0.8 MPa
- Product Dimensions: 3276*2065*1900mm
- Detection Speed: Approximately 220-500 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 linear conveyor inspection machine is designed for inspecting plastic parts. It can detect and reject defects such as black spots, gaps, burrs, unfinished parts, and dimensional inconsistencies. It automatically counts qualified products and distributes them to designated collection containers. A key feature of this series of equipment is its clamping structure, which allows for inspection of the bottom of the product.

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 higher challenges for optical screening; 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 universally applicable to various product specifications and is easy to debug.
4. Complies with GMP standards.

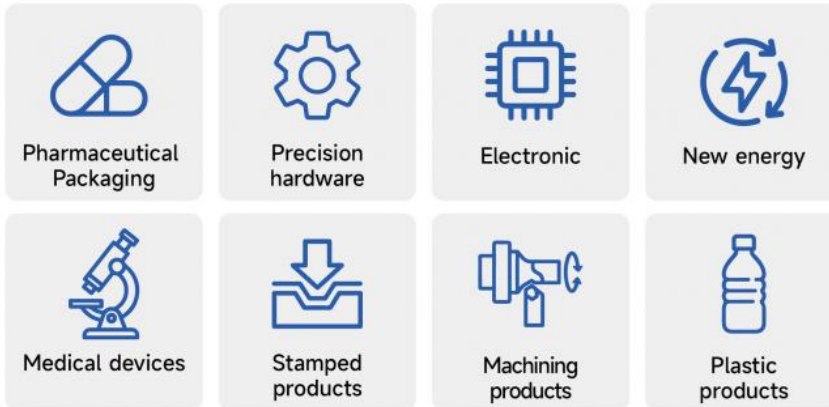
Company Profile:



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

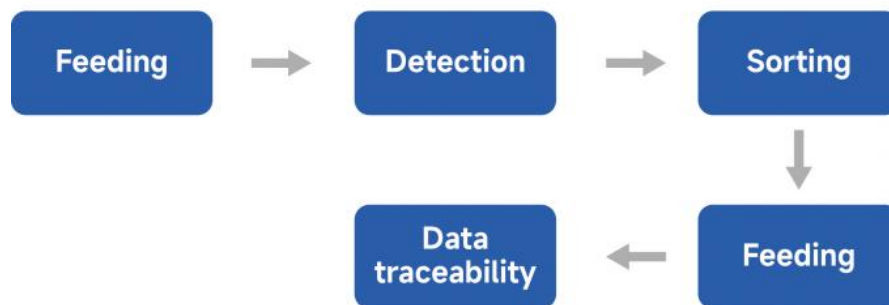
Full inspection of medical components



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



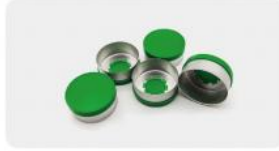
Pharmaceutical glass bottles with screw caps



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

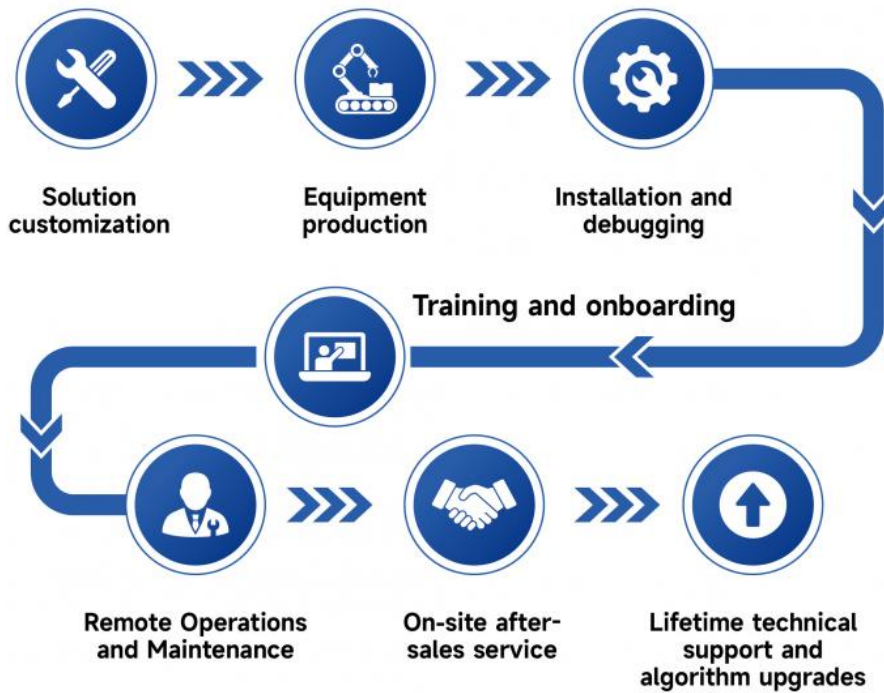



Strict quality
control and factory
calibration



Iterative Algorithms
and Device Models

Service system



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