



INTELLIGENT QUALITY INSPECTION SOLUTIONS

Quality
management

Quality
inspection

Smart
Production

B&R VENTURES

IDAVUE® Fully Automatic Inspection Solutions



About us

B&R VENTURES is a dedicated Indian brand committed to providing cost-effective, high-quality packaging solutions for the FMCG sector, Pharmaceutical, Rigid packaging, Flexi packaging, R-PET and all types of Industrial Equipment.

Our dedicated team in India specializes in:

- **SALES** - With a strong pan-India presence, our sales professionals ensure, economical solutions, timely response, solution-oriented consultations, and seamless coordination with after-sales teams for end-to-end client support.
 - ▶ **Project Evaluation:** – Comprehensive assessment of client needs like feasibility report, site survey, project consultation and production goals.
 - ▶ **Customized Product Design:** – We design the product that is Tailor-made to suit specific product, primary packaging, and line requirements.
 - ▶ **Production Upscale** – Our team helps you to upgrade the existing lines and implement systems to improve line efficiency.
- **AFTER-SALES**
 - ▶ **Installation & Commissioning** – Our expert team ensures seamless handling from material unloading to production start-up, all within the committed timeline.
 - ▶ **Technical Training & Support** – We provide comprehensive training to technical staff and operators to ensure smooth and efficient operations.
 - ▶ **Spare Parts** – We provide quick delivery with our readily available spare parts Inventory in Bangalore to minimize downtime.
 - ▶ **Service and Tailored AMC Scheme** – B & R offers structured Annual Maintenance Contracts and responsive service plans to ensure consistent performance, reduced breakdowns, and long-term equipment reliability.



FOCUS ON ONLINE AUTOMATED QUALITY INSPECTION

- ✓ Aiming to be the world's leading supplier of in-line inspection equipment

VISION AND MISSION

- ✓ Safer quality, Simpler management, Easier consumption



Efficiency



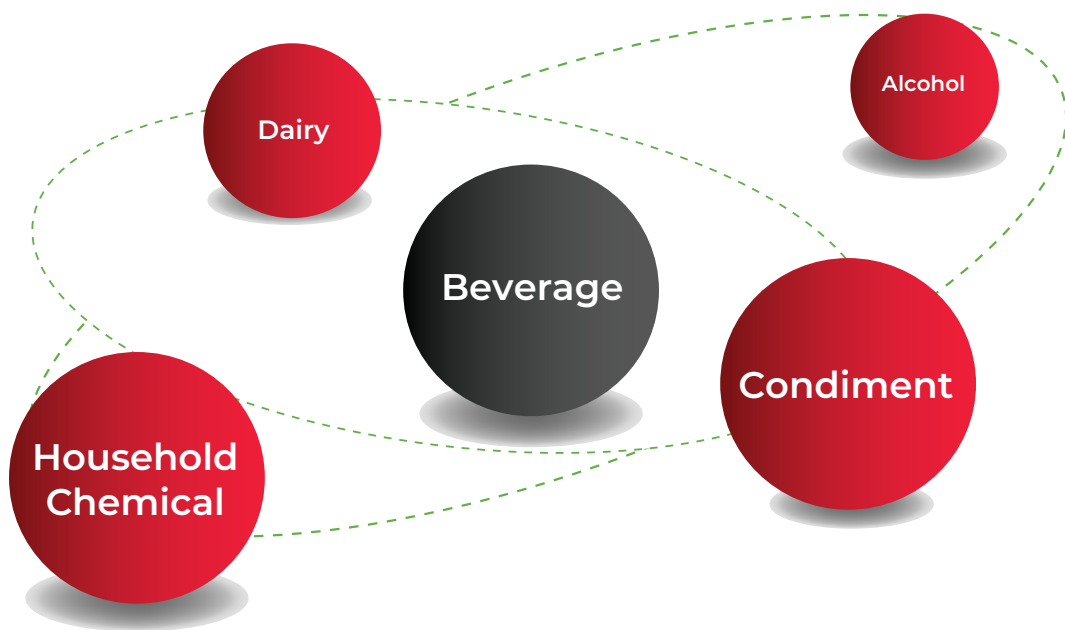
Accuracy



Reliability

**KEEP IMPROVING AND CREATE
A BETTER FUTURE!**

B&R VENTURES is the World's most Competitive Supplier of Liquid (Beverage) Filling & Packaging Machinery, and to Focus on Providing Customers with Safe, Energy Efficient & Reliable Equipment.



Beer, Rice Wine
& White Spirit, Etc.



Edible Oil, Vinegar &
Soy Sauce, Etc.



Detergent,
Shampoo, Etc.



Beer, CSD, Etc.



Water, Juice, Tea, Milk-based Drinks,
Carbonated soft Drinks & Etc.

Comprehensive Solutions

Initial Evaluation

Evaluate the project from feasibility, scale and market positioning etc.

Parameter Design

Analyze and design technical parameter of your engineering project.

Proposal Confirmation

Confirm project implement proposal from your general instance.

Project Execution

According to the project plan, complete the manufacture and installation of machines ,till passing the final trial.

Personal Training

Improve technical level of operators as well as operative skills of the equipment.

Service After-sales

Customer-centered service: offer rapid & effective engineering service.

P Global roject ▶▶▶



Trusted and
Fortune Global 5

Quality Inspection

RICH EXPERIENCE



Food/beverage/
pharmaceutical industry



Packaging container
manufacturing industry

N Sales etwork



Leading international service capabilities

1. Provide 7×24 hours telephone and online technical support
2. Provide technical solutions and documents
3. Provide operation and maintenance manuals
4. Provide remote access module

Products and service are sold in more than 50 countries and regions like, Asia, America, the Middle East, India, etc.

50

The company commits to technological innovation, focuses on the middle and high-end market of the industry, and being the excellent supplier for many famous international and domestic brands.



Online inspection equipment supplier trusted by global users

Connecting consumers and us with product quality, makes quality safer, management simpler and consumption easier

Vision ▶▶▶

Main functions and features

01

- ▶ DAVUE use the world's leading AI software architecture and has all independent intellectual property rights.

Deep learning AI algorithms combined with traditional inspection technology. It can identify small differences between samples in multiple dimensions, applied to product quality defect inspection, classification, measurement and other scenarios.



02



- ▶ The control system is modular design and distributed computing architecture, which has the advantages of high-speed inspection, high reliability, high adaptability and high accuracy.
- ▶ Inspection speed up to 200,000 pcs/h, reject the defective products automatically, achieve precise quality control in the production process, and ensure production efficiency.

03

- ▶ Good scalability and interconnectivity; flexible module construction, can easily add the inspection module according to the needs, reduce future equipment investment cost.
- ▶ Connected with the existing production management MES system, providing support for the information interconnection of smart factory and industry 4.0.



01 Continuous Improvement

The DAVUE VISION industrial intelligent quality inspection system software is maintained and upgraded for life.

02 Technical Service

Provide remote debugging and technical support services.

03 Technical Information

Provide a series of technical documents such as including maintenance, training courses, operation instructions.

04 Regular Customer Visits

Regularly visit customers to ensure that the equipment is operating normally, keep providing service to ensure product quality.

05 Supply Chain

Adoption of international standard parts and supply chain system to ensure that global users can get the supply of spare parts in their regions.

06 Quality Assurance

Ultra-long warranty, 24 months warranty for core components, and 36-month replacement instead of repair.

After-sales service commitment



B&R VENTURES

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Jigani Hobli, Anekal Taluk, Bangalore – 560105.

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Website : www.b-rventures.com



For more Details



Enquiry



24/7 Customer Care

Intelligent quality inspection solution supplier



QUALITY INSPECTION AND APPLICATION OF PHARMACEUTICAL
PACKAGING PRODUCTION LINE

14⁺ years professional R&D and manufacturer
Provide one-stop intelligent application solutions



Capsule inspection machine



01 PHARMACEUTICAL PACKAGING LINE QUALITY INSPECTION EQUIPMENT

01. Inspection contents

- Capsule damage, deformation, cracks, black spots, mixing, edge collapses, bubbles, short caps, empty capsules, double caps, dent, coating off, etc.

02. Maximum speed

- 180000 pcs/h (Speed depends on tablet size and inspection requirements)

03. Scope of application

- Capsules of various sizes, colours and shapes

04. Technical features

- Real-time information transmission, production data collection and remote maintenance
- The machine can automatically adjusted to ensure the accuracy and stability during the operation
- Combines optical, electronic, mechanical and other technologies

Tablet inspection machine



01. Inspection contents

- Tablet dirt, black spots, chips, cracks, mixing of different colour, Damage and deformed tablets

02. Maximum speed

- 420,000 pcs/h (Speed depends on tablet size and inspection requirements)

03. Scope of application

- Tablets of various sizes, colours and shapes

04. Technical features

- Real-time information transmission, production data collection and remote maintenance
- Excellent photoelectric sensor and intelligent inspection technology
- 360° inspection without blind spots

Cap closure and fill level inspection machine



02 PHARMACEUTICAL PACKAGING LINE QUALITY INSPECTION EQUIPMENT

01. Inspection contents

Not present cap, High cap, Skewed cap, Tamper ban broken, Tore cap, Safety ring missing
Below/above standard fill level

02. Maximum speed

- 24000 BPH

03. Scope of application

- PET, PP and Glass bottles, etc.

04. Technical features

- Real-time information transmission, production data collection and remote maintenance
- Complete data statistics management, achieve precise control of production lines
- Self-developed image processing system

Aluminium foil sealing inspection machine



01. Inspection contents

- No cap, No aluminum foil, no gasket, double aluminum foil, damaged edges, broken aluminum foil, aluminum foil and insulation paper reversed, poor sealing

02. Maximum speed

- 12000 BPH

03. Scope of application

- Products using aluminum foil electromagnetic sealing and heat sealing, all kinds of bottle caps and aluminum foil

04. Technical features

- Adopting the most advanced infrared thermal imaging equipment, capturing thermal images in a subtle way
- Simple and user-friendly operation interface, real-time monitoring, real-time data saving, traceability



Aluminium-plastic cap closure inspection machine



01. Inspection contents

- Chips, Straight Edges, Collars, Skirt Edges, Standing Edges, Scratches, Rubber plug presence, Combination cap presence

03

PHARMACEUTICAL PACKAGING LINE QUALITY INSPECTION EQUIPMENT

02. Maximum speed

- 36000 BPH

03. Scope of application

- Aluminium-plastic cap

04. Technical features

- The machine can automatically adjusted to ensure the accuracy and stability during the operation
- Conveyance to the visual inspection station through clamping belt or screw
- Using high-precision camera to capture images and inspect the quality of product



Empty bottle inspection machine



01. Inspection contents

- Notches, Deformation, Flash, Burr and black spot of bottle top
- Foreign object, Bubble, Uneven thickness
- Holes, Scratch, Dirt and damage of sidewall
- Dirt and damage of bottle base
- Broken of tamper band, etc

02. Maximum speed

- 36000 BPH

03. Scope of application

- PET、PP and Glass bottles, etc.
(can be customized for other material containers)

04. Technical features

- Real-time information transmission, production data collection and remote maintenance
- The modular design system connects through network and database interfaces
- Excellent optical sensor inspection technology



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Intelligent quality inspection solution supplier



QUALITY INSPECTION AND APPLICATION OF PET
BOTTLE PRODUCTION LINE

14⁺ years professional R&D and manufacturer
Provide one-stop intelligent application solutions



360° preform inspection machine

01

PETLINE QUALITY INSPECTION EQUIPMENT



01. Inspection contents

- Preform finish chip, size, roundness, scratches, support ring damage and deformation, etc
- Preform sidewall black speck, bubbles, shape, dirt, color uniformity, etc
- Preform base foreign object, dirt, damage, offset of injection points, etc

02. Maximum speed

- 80000 BPH

03. Scope of application

- PET, PP bottle preform, etc

04. Technical features

- Real-time information transmission, production data collection and remote maintenance
- Equipped with fully automatic transmission structure and docking system to ensure that the preforms are not damaged or contaminated during the quality inspection process



360° cap inspection machine



02. Maximum speed

- 200000 BPH

03. Scope of application

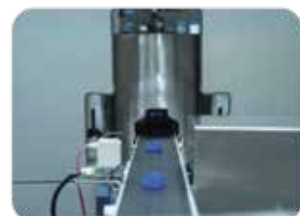
- All kinds of bottle caps, Plastic caps, crown caps, can caps, iron caps, combination caps, Aluminum-plastic caps, etc

04. Technical features

- 360° cap quality full inspection blind spots or dead zones
- High-speed cap feed without the risk of cap jamming and surface scratching, etc
- Linear cap feed, good compatibility, quick changeover, easy operation

01. Inspection contents

- Cap burrs, Inner side black specks, Chips, Broken ring, Cap deformation, Sidewall, Scratch, Dirts, Hair, Die number, roundness, flash, lack of material, etc



Full bottle inspection machine



01. Inspection contents

- No cap, High cap, Skewed cap, Tamper ban broken, Tore cap, Safety ring missing
- High or low fill level
- Code presence, Code repeat, Missing code,
- Code position offset, Code imbalance

02

PETLINE QUALITY INSPECTION EQUIPMENT

02. Maximum speed

- 72000 BPH

03. Scope of application

- PET, PP and Glass bottles, etc.
(can be customized for other material containers)

04. Technical features

- Real-time information transmission, production data
- Use high-precision sensors to precisely measure the bottle's liquid level with little error
- The advanced vision system thoroughly checks the cap spray codes and swiftly and accurately detects abnormalities



360°Empty bottle inspection machine



01. Inspection contents

- Notches, Deformation, Burr and black spot, Flash,
- Foreign object, Bubble, Offset of injection point
- Holes, Scratch, Dirt and Damage of sidewall and base
- Broken of tamper band, etc.

02. Maximum speed

- 36000 BPH

03. Scope of application

- PET、PP and Glass bottles, etc.
(accept customization for other material containers)

04. Technical features

- High-resolution optical imaging and precise algorithms
- Real-time information transmission, production data collection and remote maintenance excellent optical sensor inspection technology



360° label inspection machine



01. Inspection contents

- The inspection of label presence, high and low labels, incorrect, inverted, blank, cutting errors, misalignment, skewed, printing errors, damage, missing and multiple labels, ect.

03

PETLINE QUALITY INSPECTION EQUIPMENT

02. Maximum speed

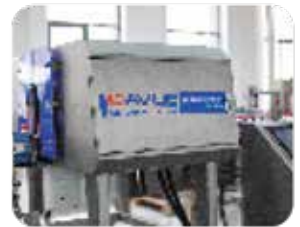
- 120000 BPH

03. Scope of application

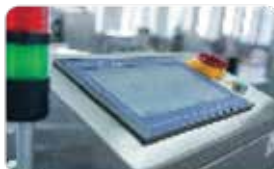
- PET、PP、Glass bottles, etc

04. Technical features

- Real-time information transmission, production data collection and remote maintenance
- Self-developed image processing system with internationally leading software architecture and provides lifetime free upgrade



Online checkweigher



01. Equipment parameters

- Inspection range: 5kg - 40kg
- Inspection accuracy: $\pm 30g$
- Belt: unique anti-runout roller design to avoid belt deflection
- Storable recipes: 50

02. Maximum speed

- 60PCS/minute

03. Technical features

- Original advanced digital dynamic weighing technology, achieving high-speed and accurate weight inspection
- Automatic analysis, tracking and processing technology
- Use high-performance multi-threaded real-time embedded system as weight inspection platform



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Intelligent quality inspection solution supplier



SOLUTIONS FOR PLASTIC PRODUCTS QUALITY INSPECTION

14⁺ years professional R&D and manufacturer
Provide one-stop intelligent application solutions





01. Inspection contents

- Preform finish chip, size, roundness, scratches, support ring damage and deformation, etc
- Preform sidewall black speck, bubbles, shape, dirt, color uniformity, etc
- Preform base foreign object, dirt, damage, offset of injection points, etc

02. Maximum speed

- 80000 BPH

03. Scope of application

- PET、PP bottle preform, etc

04. Technical features

- Real-time information transmission, production data collection and remote maintenance
- Equipped with fully automatic transmission structure and docking system to ensure that the preforms are not damaged or contaminated during the quality inspection process



01. Inspection contents

- Notches, Deformation, Burr and black spot, Flash, Foreign object, Bubble, Offset of injection point
- Holes, Scratch, Dirt and damage of sidewall and base , Broken of tamper band, etc

02. Maximum speed

- 36000 BPH

03. Scope of application

- PET、 PP and Glass bottles, etc. (accept customization for other material containers)

04. Technical features

- High-resolution optical imaging and precise algorithms
- Real-time information transmission, production data collection and remote maintenance
- Excellent optical sensor inspection technology

360° cap inspection machine



01. Inspection contents

- Cap burrs, Inner side black specks, Chips, Broken ring, Cap deformation, Sidewall, Scratch, Dirts, Hair, Die number, roundness, flash, lack of material, etc

03

QUALITY INSPECTION OF PLASTIC PRODUCTS

02. Maximum speed

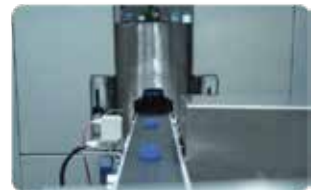
- 200000 BPH

03. Scope of application

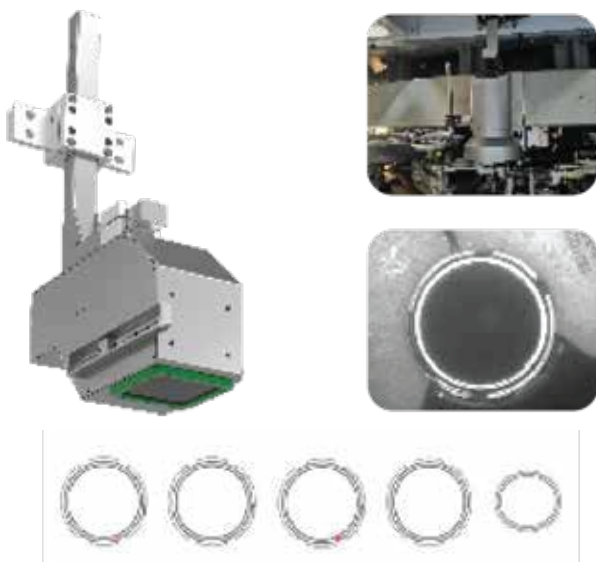
- All kinds of bottle caps, Plastic caps, crown caps, can caps, iron caps, combination caps, Aluminum-plastic caps, etc

04. Technical features

- 360°cap quality full inspection blind spots or dead zones
- High-speed cap feed without the risk of cap jamming and surface scratching, etc
- Linear cap feed, good compatibility, quick changeover, easy operation



360° preform inspection machine (integrated into the blowing machine)



01. Inspection contents

- Bottle mouth inner and outer chip, crack, notch on sealing surface, ovality, lack of material

02. Maximum speed

- 48000 BPH

03. Scope of application

- Scope of application: PET bottle tops (customization for packaging containers made of other materials is available)

04. Technical features

- Adopt special field lens to effectively increase the detection range of the mouth surface
- Special LED light source customized for PET bottle spectrum
- Multiple independent inspection zones can be set



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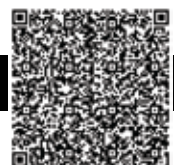


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Intelligent quality inspection solution supplier



QUALITY INSPECTION AND APPLICATION OF GLASS
BOTTLE PACKAGING PRODUCTION LINE

14⁺ years professional R&D and manufacturer
Provide one-stop intelligent application solutions



Full bottle inspection machine



01. Inspection contents

- No cap, High cap, Skewed cap, Tamper ban broken, Tore cap,
- Safety ring missing
- High or low fill level
- Code prenence, Code repeat, Missing code, Code position offset, Code imbalance

01

GLASS LINE QUALITY INSPECTION EQUIPME

02. Maximum speed

- 72000 BPH

03. Scope of application

- PET , PP and Glass bottles, etc.
(can be customized for other material containers)

04. Technical features

- Modular design, fast changeover, reduces line downtime
- High inspection accuracy and low false rejection rate
- Complete data statistics management, achieve precise control of production lines
- The industrial protection level of the control cabinet up to IP65



360°Empty bottle inspection machine



01. Inspection contents

- Notches, Deformation, Flash,
- Burr and black spot of bottle top,
- Foreigh object, Bubble,
- Holes, Scratch, Dirt and damage of sidewall and base,
- Broken of tamper band, etc

02. Maximum speed

- 36000 BPH

03. Scope of application

- PET, PP and Glass bottles,etc.
(accept customization for other material containers)

04. Technical features

- High-resolution optical imaging and precise algorithms
Real-time information transmission, production data
- Collection and remote maintenance
Excellent optical sensor inspection technology



360° label inspection machine



01. Inspection contents

- The inspection of label presence, high and low labels, incorrect, inverted, blank, cutting errors, misalignment, skewed, printing errors, damage, missing and multiple labels, ect.

02

PETLINE QUALITY INSPECTION EQUIPMENT

02. Maximum speed

- 120000 BPH

03. Scope of application

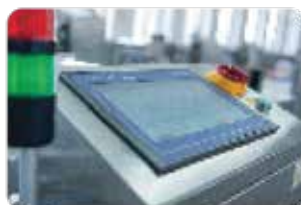
- PET, PP, Glass bottles,etc

04. Technical features

- Real-time information transmission, production data collection and remote maintenance
- Self-developed image processing system with internationally leading software architecture and provides lifetime free upgrade



Online checkweigher



01. Equipment parameters

- Inspection range: 5kg - 40kg
- Inspection accuracy: $\pm 30g$
- Belt: unique anti-runout roller design to avoid belt deflection
- Storable recipes: 50

02. Maximum speed

- 60PCS/minute

03. Technical features

- Original advanced digital dynamic weighing technology, achieving high-speed and accurate weight inspection
- Automatic analysis, tracking and processing technology
- Use high-performance multi-threaded real-time embedded system as weight inspection platform

X-RAY foreign object inspection machine



01. Inspection contents

- Metal foreign objects: iron, copper, aluminium and other common metals, etc.
- Other foreign objects: glass, stone, hard plastic, etc.
- Product quality: missing products, broken products, etc.

03

GLASS LINE QUALITY INSPECTION EQUIPMENT

02. Maximum speed

- 50000 pcs/h, higher speed rejector is optional

03. Scope of application

- Various types of food and beverages, both transparent and opaque packaging.

04. Technical features

- AI deep learning algorithm, automatic identification, calibration, rejection
- Food-grade mechanical materials are safe and environmentally friendly, washable and easy to disassemble
- Industry-leading technology, high accuracy



Dimension mm	1.500(wide)x4,500(long)x2.280(high)
Power	1.5kW
Conveyor belt width(mm)	-
Maximum speed(EA/min)	2000
Cooling method	Air conditioner
Display	18" LCD display device
Conveyor height(mm)	Adjustable according to the customer's need
X-ray output	80kVp/100kVp/150kVp
X-ray leakage	Below the legal limit
Detector type	Linear sensor
Pixel size(mm)	0.4
Software	Intelligent X-ray inspection system software
Operating system	Windows
Voltage	220~230VAC/50~60Hz
Operating environment	Ambient temperature :5~35'C/ Humidity :30~80% RH(no condensation)



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Intelligent quality inspection solution supplier



QUALITY INSPECTION AND APPLICATION OF CAN PRODUCTION LINE

14⁺ years professional R&D and manufacturer
Provide one-stop intelligent application solutions



Empty can inspection machine



01

CAN LINE QUALITY INSPECTION EQUIPMENT

01. Inspection contents

- Sidewall dents, Ovality, Foreign object at base, Foreign object at sidewall, Sealing flange broken, Finish chips

02. Maximum speed

- 120000 CPH, higher speed rejectors is optional

03. Scope of application

- Suitable for high-speed production lines of various products such as two-piece cans, tinplate cans, etc

04. Technical features

- Real-time information transmission, production data collection and remote maintenance
- Modular design, fast changeover according to the need of production line, reduces line downtime

Code inspection machine



01. Inspection contents

- Presence of code, code date, missing characters, position offset, code imbalance and code repeat, Barcode, code recognition, overlap, blurring, etc

02. Maximum speed

- 120000 pcs/h, higher speed rejectors is required

03. Scope of application

- Laser code, Inkjet code, Infrared printing code, etc

04. Technical features

- Real-time information transmission, production data collection and remote maintenance
- Excellent optical sensor inspection technology
- Self-developed image processing system

Pressure inspection machine



02

CAN LINE QUALITY INSPECTION EQUIPMENT

01. Inspection contents

- Internal pressure, Leakage inspection, Cap presence

02. Maximum speed

- 90000 CPH, higher speed rejectors is optional

03. Scope of application

- Round bottle, positive pressure inside the product, nitrogen or soda water injection, etc.

04. Technical features

- Probe high precision, up to ± 0.01 Mpa
- Portable structure with small footprint, easy to install and operate
- Non-destructive inspection, can inspect the positive and negative pressure

Vacuum inspection machine



01. Inspection contents

- Leakage inspection, Vacuum inspection
- Empty can inspection, No cover inspection
- Full can inspection, Inverted can inspection

02. Maximum speed

- 96000 BPH

03. Scope of application

- Applicable to Three-piece cans, iron cans and other products

04. Technical features

- Ten kinds of product specifications can stored
- Stainless steel cabinet, industrial protection up to IP65 grade

X-ray fill level inspection machine

03

CAN LINE QUALITY INSPECTION EQUIPMENT



01. Inspection contents

- High level\ Low level

02. Maximum speed

- 120000 pcs/h, higher speed rejectors is required

03. Scope of application

- Suitable for such as two-piece cans, three-piece cans, PET bottles, glass bottles, etc

04. Capacity

- Accepts customization service beyond this range

05. Technical features

- Non-contact inspection, high speed and high precision
- High quality X-ray tube with low attenuation and long working life
- Inspection resolution is not affected by temperature and long working hours

Production line conveyor speed	≤1.5m/s
Container diameter	40-120mm
Dynamic container accuracy	(206 type aluminum can, conveyor belt speed ≤0.5m/h)
	(206 type aluminum can, conveyor belt speed ≤1.5m/h)
Static container accuracy	(206 type aluminum can, conveyor belt speed ≤0.5m/h)
	(206 type aluminum can, conveyor belt speed ≤1.5m/h)
Environment temperature	0°C-40°C
Relative humidity	≤95%(40°C)
Voltage	Adapt to customer national standard
Effect of temperature	Accuracy unaffected by temperature changes in the range 0°C to 40°C
Size and weight of the host	620mmx165mmx400mm, 40kg
Power	≤150W



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