Via Incisa 1, 37022
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Used HEUFT empty bottle inspector 72000 BPH

Machine type:	Inspector
Ref:	ISP18
Model:	InLine reflexx Release 9
Year:	2009
Speed:	72000 Bottles/hour
Condition:	Ready for Operation
Containers:	Glass
Products:	Beer

Technical details

Inspection type:	["Neck","Bottom","Sidewall","Residual fluid","Mouth"]	Safety features:	Yes
Manuals:	No	Power:	3.3 kW
Voltage:	400 V	Frequency:	50 Hz
Ampere:	20 A		

Description

Used HEUFT empty bottle inspector 72000 BPH

Technical Specifications & Performance Data

This Empty Bottle Inspector (EBI) is engineered for high-speed beverage production and industrial packaging environments. Manufactured by HEUFT, the system combines a HEUFT InLine reflexx Release 9 inspector with a HEUFT Spectrum SX TB 72 pre-selection unit, networked for complete bottle flow control. Designed for integration in a used bottling line, it offers robust inspection performance for returnable glass bottles at line speeds up to 72,000 bottles per hour.

- **Manufacturer:** HEUFT
- **Primary model:** InLine reflexx Release 9
- **Pre-selection unit:** Spectrum SX TB 72 (with Gateway II network interface)
- **Additional platform reference:** Spectrum TX
- **Year of manufacture:** 2009

- **Maximum capacity:** 72,000 bottles/hour
- **Bottle formats:** Compatible with 0.33L and 0.5L bottle formats
- **Containers:** Designed for Glass bottle handling (green, brown, flint)
- **Closures handled (format identification):** Crown cap, screw-cap threading, mechanical swing-top
- **Electrical supply (InLine):** 3-phase 400/415 V; 230/240 V phase voltage; 50/60 Hz
- **Electrical supply (plate data):** 3-phase + N + PE 400/230 V, 20 A; 1-phase 230 V, 4 A
- **Power (Spectrum TX):** 3.3 kW (continuous active power) at up to 72,000 containers/h
- **Pneumatics:** 6–10 bar operating pressure
- **Included handling:** Infeed/outfeed conveyor sections and reject accumulation/discharge table

Advanced Automation & Control Systems

The inspector leverages HEUFT reflexx image processing with comprehensive optical inspection and residual liquid detection. The Spectrum SX TB 72 pre-selector verifies bottle geometry upstream, ensuring only conforming containers enter the main EBI. The Gateway II interface enables network connectivity for line data exchange and coordinated rejection logic.

- Full sidewall inspection at infeed and discharge
- Neck and mouth integrity verification, including thread check for screw-cap bottles
- Residual liquid detection via IR and HF technologies
- Supplementary neck-area sensor to identify trapped labels
- Test-bottle recognition for continuous rejection accuracy monitoring
- Operator control via integrated unit controller with synchronized pre-selection

Production Line Integration Capabilities

Designed for seamless integration into high-speed beverage production, the system supports inline operation with existing conveyors and accumulation. Its pre-selection and main inspection units communicate over the network to optimize rejection precision and minimize false rejects, making it an excellent fit for second hand bottling equipment upgrades or complete used bottling line retrofits.

- Inline or stand-alone deployment with included conveyor interfaces
- Networked pre-selection and main inspection for coordinated control
- Compatible with standard glass beer formats (0.33L, 0.5L)
- Ideal for industrial packaging modernization and high-speed beverage production

Machine Condition & Maintenance History

The equipment is reported as functioning and well maintained, with immediate availability. Built in 2009, it presents a solid option for facilities seeking reliable inspection capability in a second hand configuration without compromising performance.

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- Operational status: Functioning, well maintained
- Availability: Immediate

Operational Performance & Versatility

This EBI is optimized for glass bottle applications in beer production, including diverse German standard formats and closure styles. Its combination of optical inspection, IR/HF residual fluid sensing, and targeted neck/thread checks ensures comprehensive quality assurance prior to rinsing and filling.

- Application focus: Returnable glass beer bottles
- Sidewall, bottom, neck, mouth, and thread inspection
- Residual liquid detection enhances hygiene and line quality
- Integrated test-bottle routines confirm stable rejection performance

Installation Requirements & Site Preparation

The system requires standard industrial utilities common to bottling equipment. Electrical flexibility allows operation on 400/415 V three-phase networks, with auxiliary 230/240 V circuits, and broad 50/60 Hz compatibility. Pneumatic connections must supply clean, dry air within the specified pressure range.

- Electrical: 3-phase 400/415 V; auxiliary 230/240 V; 50/60 Hz
- Current (plate data): 20 A main; 4 A auxiliary
- Pneumatics: 6–10 bar
- Mechanical: Infeed/outfeed conveyor alignment and reject table positioning

Safety Standards & Compliance Certification

Engineered for modern industrial environments, the system includes integrated inspection alarms and rejection monitoring to support line quality and operator awareness. Guarding and interlocked access typical of beverage packaging machinery contribute to safe operation and hygiene-focused processes suitable for food and beverage applications.