

VYPER Vision System

Vyper is an intelligent vision system designed to enhance quality control in high-care food production environments. It uses advanced image capture technology to automate visual inspection, removing the inconsistencies often associated with manual checks.

With 100% top and bottom label inspection, Vyper is programmed to catch labelling issues across every pack. It verifies that labels are present, correct and properly positioned. This process detects process flaws to help reduce waste and improve compliance.

Multiple end of line inspection processes can now be carried out and controlled within one highly compact system, when Vyper is paired with an industry leading Stealth metal detector and/or Raptor checkweigher.



VYPER PROVIDES

Traceability and storage of inspection results. Fully auditable, reject integrity measures as standard.



LABEL INSPECTION

Label Presence. Label Identification. Label Placement. Over Printed Data. Over Printed Barcode. Promotional Labels. Reject Incorrect Packs.



EASY TO USE

Simple HMI interface ensures user-friendly operation and enhances process efficiencies. Latest generation capacitive industrial touchscreen displays important data and reduces training time.



SANITARY DESIGN

Hygienic design supports sanitation processes with easy clean, sloped surfaces to promote water run off and speed up drying time.



LOW MAINTENANCE

Intelligent conveyor design allows for complete removal and disassembly of conveyor components for maintenance access and cleaning in seconds.

APPLICATIONS



Label
Defects



Packaged
Products

STANDARD SIZES AND RANGES:

Belt Widths:	100mm, 200mm, 300mm, 400mm
Line Height:	800mm +/-35mm
Product Lengths:	Up to 430mm (standard machine)

VYPER Vision System Specifications & Options

SYSTEM OPTIONS & SPECIFICATIONS:

Optional*

HMI	15.6" colour capacitive touchscreen display 16:9 aspect ratio Secure remote web-browser connection
MECHANICAL	Sheet stainless-steel frame High care feet Sealed for life bearings
CONSTRUCTION	Stainless steel plate design High accuracy, high speed, single point, precision loadcells IP65 grade washdown protection Sanitary-design threadless feet*
MACHINE OPERATION	Menu driven from single operator interface Fully integrated product codes mean that settings for inspection processes are automatically adjusted on selection of each product code
STATISTICAL DATA	Comprehensive Statistics Set (Audit) generated for download by USB or accessible through Contact 4.0 interface to enhance traceability and security Industry 4.0 live collection of data via network adapters*
AUTOMATIC REJECT OPTIONS	Kicker Air-blast Overhead Sweep Diverter Paddle Modular reject stations
REJECT INTEGRITY	Servo driven (if optional electric reject actuator is present) Gating sensor Time out control/Pack-track software Reject confirmation Bin full indication Lockable reject collection mechanisms Electronic 'Reject Mechanism in Place' monitor Electronic 'Reject Mechanism Locked' monitor Reject check sensor Interlocked top covers 'Last for Life' stainless steel top covers throughout Multi-colour beacon with optional audible alarm
MANAGEMENT CONTROL	500 products Self diagnostics status messaging 4 level configurable user access with 25 individual users Contact 4.0 data logging software compatible* Secure RFID card user access*
SAFETY	Standard Category 3 Safety Circuit Air-Dump Full System lift off guarding (Guarding interlocked around physical hazards) End user ability to integrate into safety Performance Level d (PLd) safety circuit
LINE INTEGRATION	Configurable input and output

Industry 4.0 Networking and Integration:

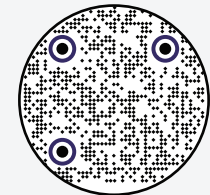
Connect to Contact 4.0 for in depth, turn-key data logging and reporting across an entire suite of networked Fortress inspection machines. Optional communication features allow for automatic and ad hoc generation of batch reporting across multiple machines simultaneously, and are accessible from a single interface. Reports include all machine events such as:

- ▶ Parameter changes
- ▶ Log-ins
- ▶ Fault status
- ▶ Total production statistics
- ▶ Reject counts

These secured reports ensure clarity and traceability of all machine events and may be generated automatically or on demand and forwarded to individual users.

Data Integration

The Vyper Vision System seamlessly integrates into existing IT and factory control systems. Collect statistical data and the status of each machine, or control their operation via optional OPC UA or Ethernet/IP adapters.



LEARN MORE ABOUT THE
VYPER VISION SYSTEM ONLINE

Simple Operation. Outstanding Reliability. Exceptional Performance.

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FORTRESS
TECHNOLOGY