

RAPTOR

BBK Combination System (Metal Detector & Caseweigher)

Specifically designed for inspection of 25kg large bags and cases, the Raptor BBK Combination system delivers weighing accuracy and industry leading metal detection performance in one compact footprint.

The Raptor BBK combination metal detector and checkweigher features robust stainless-steel construction incorporating sanitary design concepts suitable for any food manufacturing environment. Ergonomic layout and intuitive HMI enable comfort and ease of use for operators.

Stay ahead with live and historical batch statistics, optional communication adapters allow users to automate and customise data collection for their own ERP and plant monitoring systems.



SIMPLE AND ROBUST

Heavy duty construction designed specifically for the food industry ensuring outstanding reliability.



EFFICIENT OUT OF TOLERANCE INSPECTION

Ensure accurate product inspection by combining advanced metal detection with precise out-of-tolerance weight checks. This dual functionality guarantees compliance and consistent quality control.



EASY TO USE

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



COMPACT DESIGN

Maximise production space efficiency with a minimal footprint, designed to fit seamlessly into various production layouts while maintaining exceptional performance.



LOW MAINTENANCE

Plastic chain conveyor belting and AC induction motor allows for easy cleaning and maintenance.

APPLICATIONS



Large Bags



Cases

STANDARD SIZES AND RANGES:

Belt Width:	600 mm
Line Height:	800mm +/- 50mm*
Conveyor Lengths:	1625mm / 64"
Weighing Capacity:	Regular: 25kg Heavy Duty: 50kg

Custom*

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BBK Combination System Specifications & Options

SYSTEM OPTIONS & SPECIFICATIONS:

Optional*

HMI	15.6" colour capacitive touchscreen display 16:9 Aspect Ratio Secure remote web-browser connection
MECHANICAL	Plastic chain food grade belting AC induction motor
CONSTRUCTION	High accuracy, high speed, single point, precision loadcells IP65 grade washdown protection Sanitary-design threadless feet*
MACHINE OPERATION	Menu driven from single operator interface User-friendly high contrast layout 360 degree visible status beacon
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*
MODULAR REJECT OPTIONS	Kicker Overhead sweep Belt-stop-alarm Modular, heavy-duty reject stations available
REJECT INTEGRITY	Weigh sensor Reject Confirmation Sensor* Reject Return Sensor* Exit eye/Back up sensor* Additional Sensors Available on Request
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* Guided performance verification testing
SAFETY	Standard Category 3 Safety Circuit End user ability to integrate into safety circuit
LINE INTEGRATION	Upstream & Downstream control Trend feedback to filler to minimise product giveaway Ethernet/IP* OPC UA*
METAL DETECTION	Fortress Stealth Large Bag metal detector models available in standard or custom sizes and finishes

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
- ▶ Check weights

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 Raptor BBK 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
RAPTOR BBK COMBI ONLINE

Simple Operation. Outstanding Reliability. Exceptional Performance.

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FORTRESS
TECHNOLOGY