

# RAPTOR

COMBINATION SYSTEM  
Checkweighing / Metal Detection



#### SIMPLE AND ROBUST

Heavy duty IP65 grade equipment. Robust, precision made, lift-out conveyors. No tools. No fuss.



#### EFFICIENT OUT OF TOLERANCE REJECTION

Available kicker, air-blast and other reject configurations accurately removes metal contaminants as well as rejecting out of tolerance weight products from production flow whilst minimizing product giveaway and protecting brand integrity.



#### 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.

The Raptor is a highly accurate, fully integrated checkweighing and metal detection combination system, specifically designed for high care food production environments.

The Raptor is employed to verify the weight and inspect for metal contaminants of each product and reject non-conforming packs. The system has been designed, engineered and constructed to the highest care/food grade engineering standards. It is capable of processing packaged products.

#### Protect your customers and safeguard your brand

Raptor can be used at any stage in your process to safely, reliably and accurately inspect 100% of your products. Multiple end of line inspection processes can now be carried out, and controlled, within one highly compact system, when a Raptor checkweigher is paired with an industry leading Stealth or Interceptor metal detector.

#### STANDARD SIZES AND RANGES:

<b>Belt Widths:</b>	200mm, 300mm, 400mm
<b>Line Height:</b>	800mm +/-50mm
<b>Weighing Capacity:</b>	50g - 8kg
<b>Product Lengths:</b>	Up to 430mm (standard machine)

#### THE FORTRESS ADVANTAGE:

- **"Never Obsolete"** Commitment: equipment is always supported with parts and services
- Standard electronics configuration across product line allowing easy support and troubleshooting
- Modular design; have fewer components
- **Simple Operation, Outstanding Reliability, Exceptional Performance**

# RAPTOR

## COMBINATION SYSTEM Checkweighing / Metal Detection

### SYSTEM OPTIONS & SPECIFICATIONS:

<b>HMI</b>	Full colour projected capacitive touchscreen display   16:9 Aspect Ratio   Secure remote web-browser connection
<b>MECHANICAL</b>	Continuous duty DC brushless motors   Sealed for life bearings   Toolless removable conveyors for ease of cleaning
<b>CONSTRUCTION</b>	Stainless steel plate design   High accuracy, high speed, single point, precision loadcells   IP65 grade washdown protection   Sanitary-design threadless feet*
<b>MACHINE OPERATION</b>	Menu driven from single operator interface   User-friendly high contrast layout   360 degree visible status beacon
<b>STATISTICAL DATA</b>	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*
<b>AUTOMATIC REJECT OPTIONS</b>	Kicker   Air-blast   Overhead Sweep   Diverter Paddle   Modular reject stations
<b>REJECT INTEGRITY</b>	In-feed (weigh) sensor   Reject Confirmation Sensor   Lockable stainless-steel collection bin*   Reject Return Sensor*   Exit eye/Back up sensor*   Bin full indicator*
<b>MANAGEMENT CONTROL</b>	500 products   Self diagnostics status messaging   4 level configurable user access with 25 individual users   Contact 4.0 data logging software compatible*
<b>SAFETY</b>	Standard Category 3 Safety Circuit   Air-Dump   Full System lift off guarding (Guarding interlocked around physical hazards)   End user ability to integrate into safety circuit
<b>LINE INTEGRATION</b>	Upstream & Downstream control   Trend feedback to filler to minimize product giveaway   Ethernet/IP*   OPC-UA*
<b>METAL DETECTION</b>	Fortress Stealth or Interceptor models available in standard or custom sizes and finishes.

\* = Optional

### Industry 4.0 Networking and Integration:

As standard, statistical data for batches are available to be extracted via USB in PDF or CSV format. Optional communication features allow for automatic and ad hoc generation of batch reporting on 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

Raptor checkweighers allow for ease of integration into existing IT and factory control systems. Collect each machines' statistical data and status, or control their operation via optional OPC-UA or Ethernet-IP adapters.

Simple Operation. Outstanding Reliability. Exceptional Performance.

Copyright © 2018 Fortress Technology Inc. All rights reserved. Patent Pending. The information, designs and artwork contained in this document are confidential and may not be disseminated, distributed or copied without written consent from Fortress Technology Inc. Specifications, designs, features and technology subject to change without notice.

**FORTRESS**  
TECHNOLOGY