

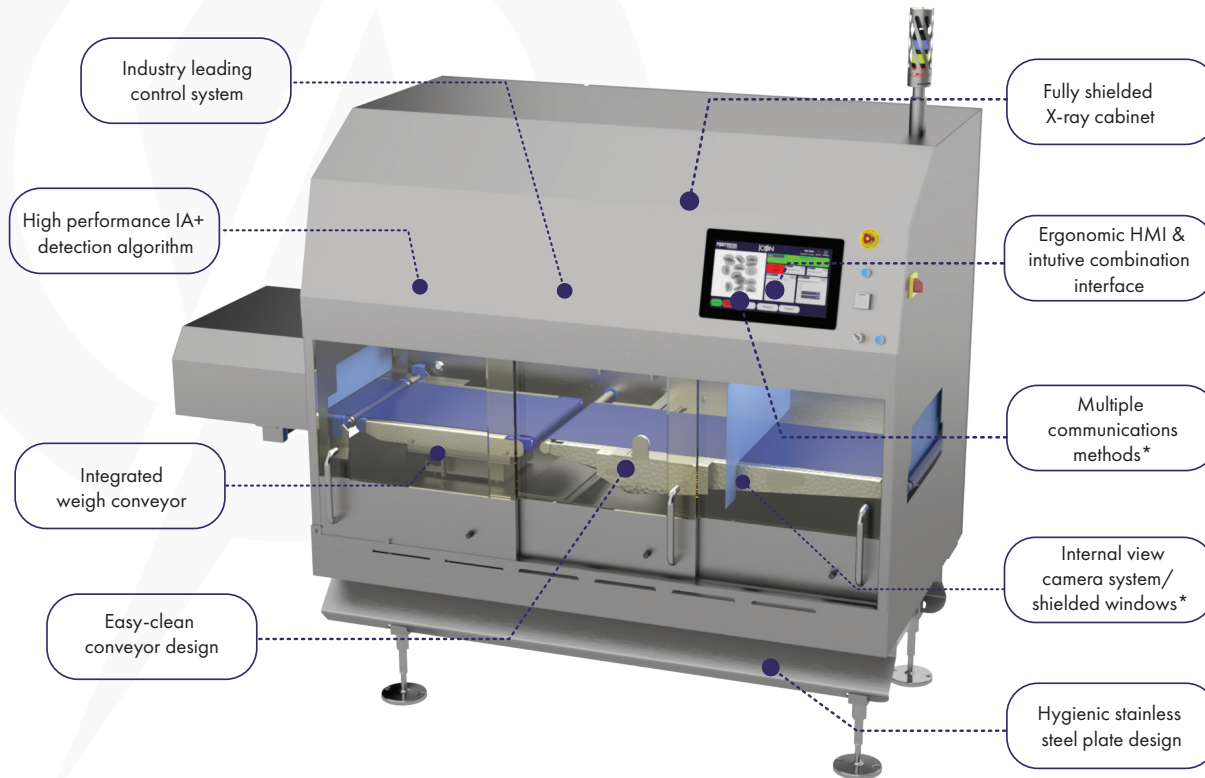


X-ray Combination System (X-ray Inspection & Checkweigher)

The Icon is a highly accurate, fully integrated X-ray inspection and checkweighing system, specifically designed for high care food production environments.

The Icon inspects products for a range of contaminants while the integrated checkweigher verifies the weight of packaged products, removing out-of-tolerance packs with customized reject stations.

The Icon offers comprehensive auditing and traceability of batch statistics, which complement good manufacturing practices and enable food traceability, quality, safety and supports OEE.



* Optional features shown. Refer to product details.



X-RAY INSPECTION & CHECKWEIGHING

A range of detection algorithms enhance performance in applications with variable density products. Precision IA+ technology produces images with exceptional clarity to ensure contaminant detection.



INTEGRATED CHECKWEIGHER

The integrated weighbelt verifies product weights as they pass through the system, rejecting packs outside set parameters to ensure consistent quality and compliance.



EASY TO USE

Simple HMI interface ensures user-friendly operation and enhances process efficiencies. Industrial capacitive touchscreen display features 10-point touch and remote connectivity.



SANITARY DESIGN

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



LOW MAINTENANCE

Benefit from a maintenance-free generator alongside components that are easy to disassemble for efficient cleaning and servicing.



STATISTICAL DATA

Collect batch statistics that includes both X-ray and weight data to supporting operational efficiencies

APPLICATIONS



Bakery



Confectionery



Chocolate Bars



Packaged Meats



Packaged products



Nutritional Bars

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ICON X-ray Combination System Specifications & Options

Optional*

X-RAY INSPECTION	X-ray Generator: Time and cost-efficient, maintenance-free operation Features precision digital control 300w air-cooled X-ray generator for effective heat dissipation Automatic start-up program to optimize performance and extend the X-ray generator's lifespan. X-ray Detector: High-speed 16-bit detection captures detailed scans with a stable 0.8 mm diode pitch (0.4 mm*) for consistent quality Equipped with auto calibration and set-up for reduced downtime Line rate of 2,000 lines per second supports faster inspection processes Dual Energy and TDI sensors available* Upgradeable sensor technologies (based on qualified sensors)
WEIGHING	Accurate weighing of discrete products with the integrated checkweigher module Supports local weights and measures compliance with preset weighing regimes
CONSTRUCTION	Frame: Stainless steel construction ensures long-term reliability IP65 grade washdown protection Compact footprint Sanitary-design threadless feet* Accessibility: Locking interlocked sliding access panels Internal view status camera* See-through access panels*
MECHANICAL	Continuous duty brushless DC motors provide reliable power Toolless removable conveyor belt for ease of cleaning and maintenance Toolless removable weigh conveyor
HMI	Full color projected capacitive touchscreen display with a user-friendly high-contrast layout 16:9 aspect ratio delivers an expansive visual for ease of interpretation
LINE INTEGRATION	Secure web browser connection for monitoring from anywhere 360-degree visible, interlocked status beacon for full operational awareness Fully programmable I/O functionality Control for upstream and downstream conveyors Integrated safety circuit
MONITORING SYSTEM	Full-Life industrial standard components and machine support via secure remote connection Secure remote web login
REJECT INTEGRITY*	Standard: Reject confirmation In-feed sensor Lockable collection mechanisms Optional: Reject return sensor Exit eye/Back up sensor Bin full indicator Additional product tracking sensors
REJECT INTEGRATION*	Air blast for products <2 lbs (1 kg) Retract for various product types Kicker for products >30 lbs (14kg) Overhead sweep for products <30 lbs (14kg) Dropnose for bags 50-100 lbs (23-45kg) Modular reject stations Custom reject stations fully integrated into Icon controls
QA SYSTEM SUPPORT	Comprehensive Statistics Set for audits, downloadable via USB or accessible through Contact 4.0, enhancing traceability and security Live data collection via Industry 4.0 network adapter* Automated test requests to streamline performance verification records.
MANAGEMENT CONTROL	Library of 500 products standard (expandable) Configurable user access with individual user functionality for maximum control and security Multi-level access allows user tiers to be tailored to specific responsibilities Stay ahead of potential issues with self diagnostics status messaging RFID card access for enhanced security and safety. Tap-in, Tap-out*
SAFETY	Category 4 Safety Circuit guarantees compliance with strict safety standards End user ability to integrate into safety circuit X-ray shielding adheres to Radiation Safety Guidelines Additional features available on request (extra buttons, etc.) Compliant with performance standard 21 CFR 1020.40 and 21 CFR Part 1010 and Radiation Emitting Devices Act (Canada)

INDUSTRY 4.0 NETWORKING & INTEGRATION:

Connect to Contact 4.0 for turnkey data logging and reporting across an entire suite of networked Fortress inspection machines. To collect statistical data or control machine operation, optional OPC UA or Ethernet-IP adapters allow for integration into existing IT and factory control systems.

Simple Operation. Outstanding Reliability. Exceptional Performance.

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