

# PERFECTION IN EVERY DETAIL

PRECISION COMBINED SYSTEMS  
MANUFACTURING POWERED BY CEIA



ERS



## Model & Structure

<b>Model Series</b>	ERS Combo Series (CEIA Supported)
<b>Body Structure</b>	AISI 304 Stainless Steel
<b>Protection Class</b>	IP54 (Standard) / IP65 (Optional)
<b>Conveyor System</b>	Food-Safe, Easily Removable Modular Conveyor Design

## Weighing Performance

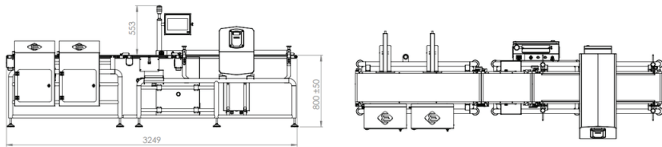
<b>Capacity Options</b>	600 g – 60 kg range (Wide model range)
<b>Accuracy</b>	≥ 0.2 g (Depending on product and capacity)
<b>Maximum Capacity</b>	150 units per minute
<b>CW Display</b>	10.2" Wide Color Touchscreen (HMI)

## Connectivity & Data

<b>Data Outputs</b>	Ethernet, USB, Modbus TCP/IP
<b>Reporting</b>	Production and error reports exported via USB in Excel format

## Metal Detector

<b>Option A: High Performance</b>	CEIA THS/21E-3F, MS21 Series – AISI 304
<b>Technology</b>	3-Frequency Standard Technology with High Sensitivity
<b>Interface</b>	4-Button Stainless Steel Keypad
<b>Connectivity</b>	Bluetooth (Built-in), RS232
<b>Protection Class</b>	IP66 (Standard) / IP69K (Optional – High-Pressure Washdown)



<b>Recommended Application</b>	Dry, frozen, or standard packaged products
<b>Option B: Ultra High Performance</b>	CEIA THS/MS21 (Multi-Spectrum)
<b>Technology</b>	Multi-Spectrum
<b>Interface</b>	Extended Alphanumeric Keypad
<b>Connectivity</b>	Bluetooth (Built-in), RS232, USB
<b>Protection Class</b>	IP66 (Standard) / IP69K (Optional – High-Pressure Washdown)
<b>Recommended Application</b>	Challenging, wet, and conductive products

## Rejection Systems

<b>Reject Mechanism</b>	Air Blow (for lightweight products) / Pusher (standard) / Flipper Arm (for bagged products)
<b>Reject Bin</b>	Lockable stainless steel reject bin
<b>Verification</b>	Reject confirmation sensors and bin-full sensors

## Technical Specifications

The ERS Combo Series combines high-precision weighing with CEIA's world-renowned Multi-Spectrum metal detection technology. Designed to eliminate false rejects caused by conductive products (such as cheese or meat), the system ensures maximum product safety while providing FDA Title 21 CFR Part 11 compliance within a single compact unit.

## Key Features

- **Multi-Spectrum Technology:** Eliminates product effect in wet or conductive products, preventing false rejects.
- **One-Touch Auto-Learn:** Automatically configures system settings within seconds using a single product pass.
- **Bluetooth Connectivity:** Enables wireless configuration and adjustments without opening the control panel.
- **FDA & Hygienic Design:** Hygienic, stainless steel, and durable construction designed for food industry environments.
- **Seamless Integration:** Supports Modbus, RS232, and Ethernet TCP/IP for direct connectivity with ERP / MES systems.

## Regulations & Certifications

**Legal Metrology (MID & OIML):** Fully compliant with MID (2014/32/EU) and OIML R51 (Class XIII) standards, ensuring legal validity for commercial weighing operations.

**Global Food Safety Standards:** Designed to meet HACCP, BRC, IFS, and SQF audit requirements. Ideal for critical control points in the food and hygiene industries.

**CE & ISO Quality Management:** Manufactured in accordance with European safety regulations (CE) and ISO 9001 quality management standards, ensuring long-term reliability and operational safety.