

# CONVEYOR INSPECTION SYSTEMS INTEGRATED

SYSTEMS ON THE CONVEYOR BELT



THS/MBHD HEAVY PRODUCTS INSPECTION

THS/MBB MODULAR CONVEYOR BELT



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W W W . C e i a . n e t



Quality control at its finest

**CEIA THS 21 Conveyor Inspection Systems** satisfy the most stringent requirements for functionality, compact construction, accuracy and reliability of response against accidental metal contamination in food products.

#### **KEY FEATURES**

- **CONVEYOR BELT INTEGRATED** with Metal Detector and ejection system
- FULL COMPLIANCE with HACCP criteria
- **DETECTION** and **EJECTION** of magnetic, non-magnetic and stainless steel metals contaminants
- AUTOMATIC LEARNING & TRACKING of product effect
- DIGITALLY-ADJUSTABLE BELT SPEED
- STRUCTURE and COMPONENTS IN AISI 316L and FOOD-COMPATIBLE PLASTIC PARTS (EU, FDA compliant)
- MULTIPLE EJECTION SYSTEMS AVAILABLE: belt stop, air blast, pusher arm and retractable
- MAXIMUM FLEXIBILITY: all components are reversible

#### **MULTI-SPECTRUM** TECHNOLOGY

**EXCLUSIVELY DEVELOPED BY CEIA**, this is a **unique metal detection technology that both optimizes sensitivity to all metal contaminants and minimizes product effect** in a very wide range of possible products.

By recognizing the different frequency response of conductive products and metals, this **innovative technology cancels product effect and maintains high performance levels** for all types of metal contaminants, both magnetic and non-magnetic.

#### EXCLUSIVE AUTO-LEARN SYSTEM

The AUTO-LEARN system for food products provides simultaneous maximum sensitivity to all metals starting from a single learning transit.

The system allows optimization of the detection sensitivity to all metals with the maximum speed and precision, equivalent to hundreds of conventional learning transits: these results in levels of precision and efficiency have never been obtained before.

- For products with changing or varying product signal after autolearn, the **THS/21 Series includes an advanced autolearn function** that runs in the background, to capture this product signal during normal production while still detecting metal. When the recording is ended, the operator has the option to analyze the data immediately, or wait until a later time when the line is stopped so as not to interrupt production.
- The data that was added during the background autolearn is analyzed, along with the original autolearn data, and the detection parameters are modified in order to also cancel the varying product signal.

#### FULL COMPLIANCE WITH **HACCP** CRITERIA

- Structure and components in AISI 316L and plastics EU, FDA compliant
- Superior washdown construction
- Certified test samples

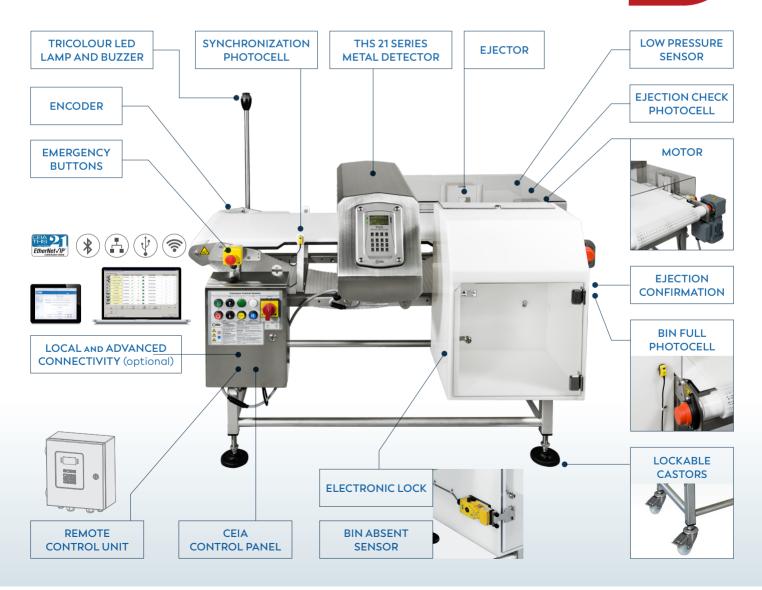


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### **UNEQUALLED INTEGRATED I/O** AND **COMMUNICATION CONNECTIVITY** PERFORMANCE

- Control of the belt motor, with speed adjustment
- Automatic ejection management with synchronization of the product transit
- Automatic synchronization with adjacent transport systems
- Verification of the availability of compressed air
- Bar-code readers support to automatically select the product related program in real time
- Verification of the successful ejection of the contaminated product
- Verification of the presence and space availability of the contaminated product container
- Management of encoders for a belt speed monitoring
- Remote management via Ethernet/Wi-Fi



CEIA reserves the right to make changes, at any moment and without notice, to the models (including programming), their accessories and options, to the prices and conditions of sale.

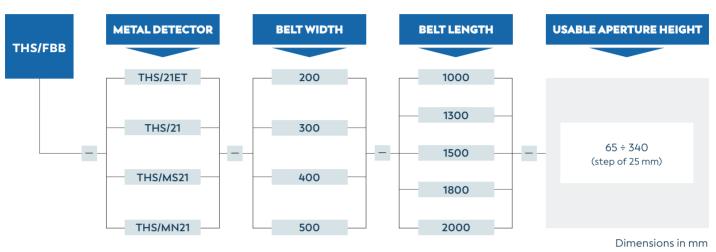
Supermarket

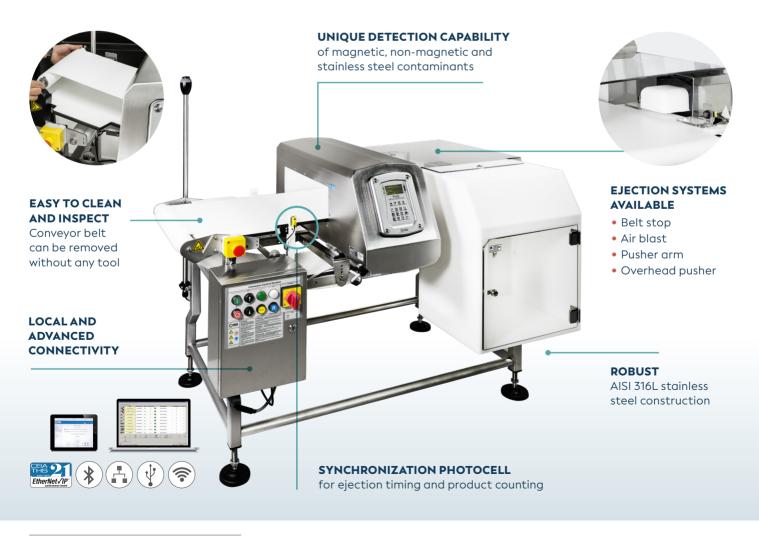
Specifications

Compliant

### THS/FBB FLAT CONVEYOR BELT

### CONVEYOR FEATURES

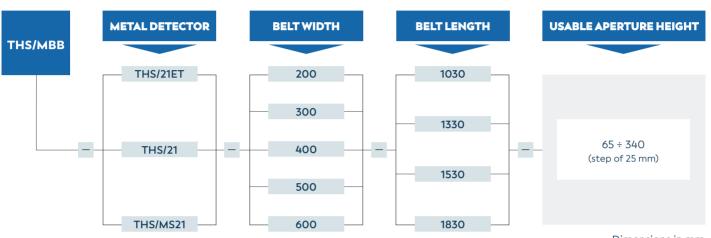




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# THS/MBB MODULAR CONVEYOR BELT

### CONVEYOR FEATURES



Dimensions in mm

101

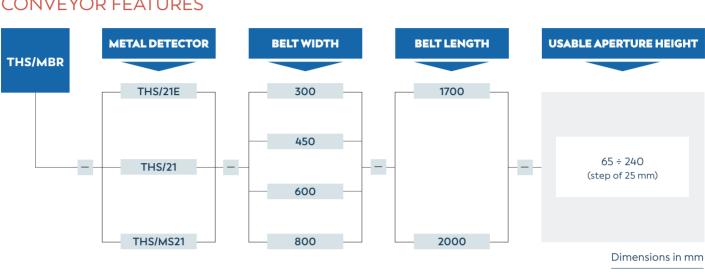


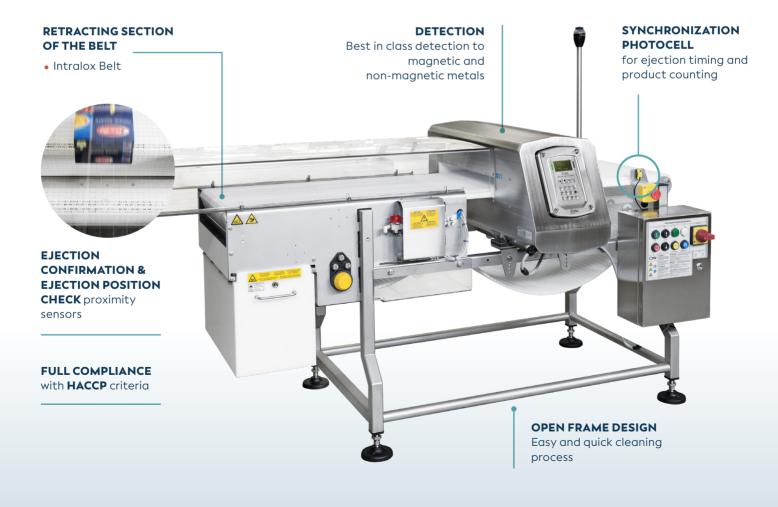
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### **THS/MBR MODULAR** CONVEYOR **RETRACTABLE BELT**

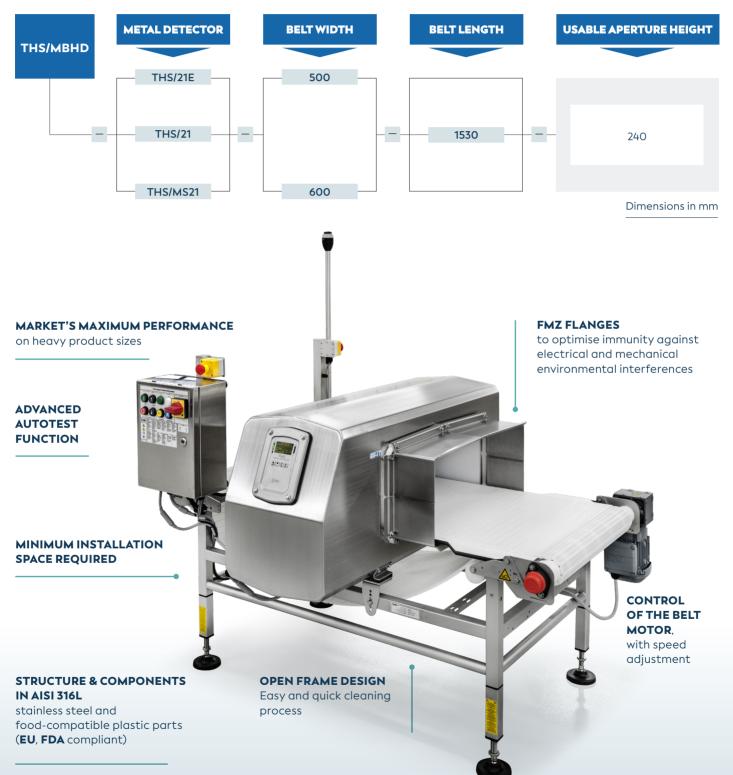
### **CONVEYOR FEATURES**





## THS/MBHD HEAVY PRODUCTS INSPECTION

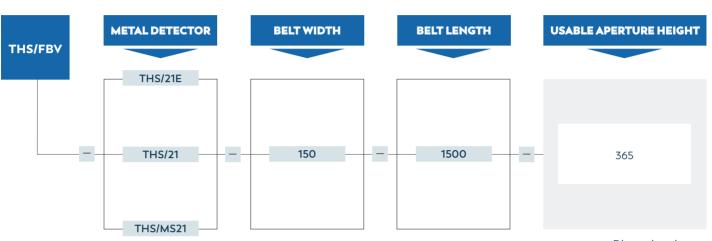
### CONVEYOR FEATURES



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### THS/FBV - THS/FBBV VERTICAL-ORIENTED PRODUCTS INSPECTION

### CONVEYOR FEATURES



Dimensions in mm

3





The THS/RB-800 offers a high performance cost effective solution where space and best performance are critical.

integration into standard checkweigher systems and other in-line applications,

so that maximum detection sensitivity can always be achieved.

400

The THS/RB-800 is an innovative and unique system designed for seamless and highly compatible

THS/SLMS21



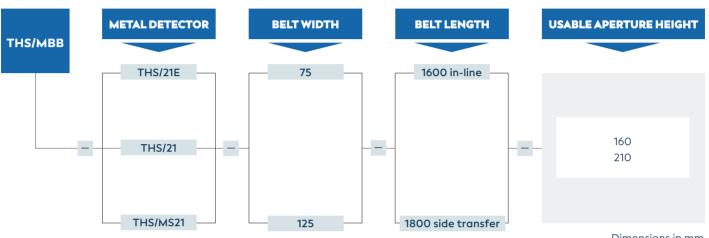
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Dimensions in mm

### THS/MBB VERTICAL-ORIENTED CONVEYOR INSPECTION SYSTEMS

#### CONVEYOR FEATURES



Dimensions in mm



### CUSTOMIZED CONVEYOR BELT SYSTEM CONV

OVERHEAD PUSHER EJECTOR















OTHER OPTIONS AVAILABLE ON REQUEST



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