

CONVEYOR INSPECTION SYSTEMS

INTEGRATED SYSTEMS ON THE **CONVEYOR BEI**





THS/MBHD HEAVY PRODUCTS INSPECTION



THS/MBB MODULAR CONVEYOR BELT







+39 0575 4181 • 🔟 qa-detectors@ceia-spa.com





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

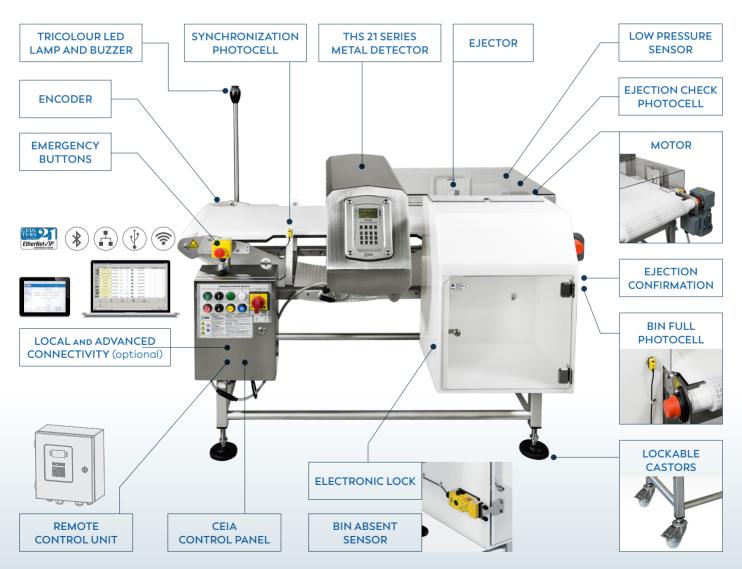




UNEQUALLED INTEGRATED I/O AND COMMUNICATION CONNECTIVITY PERFORMANCE

- 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

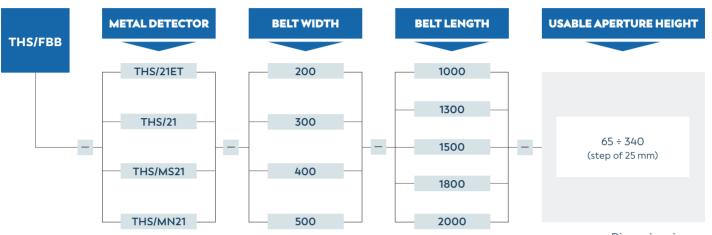


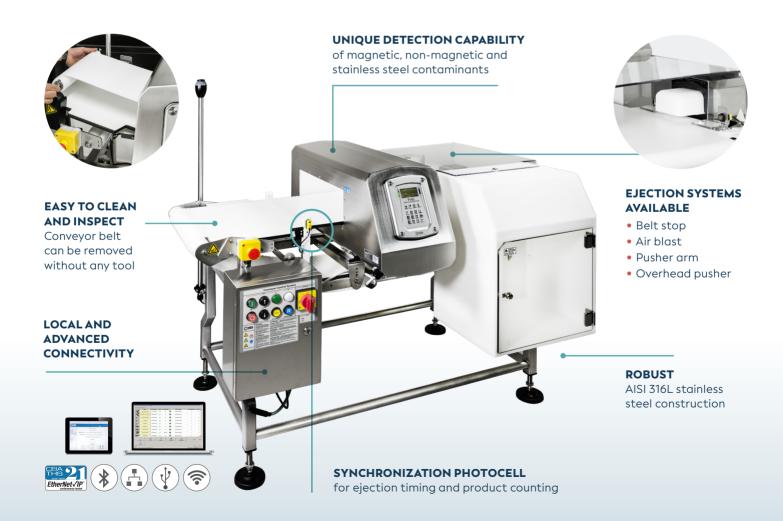


THS/FBB FLAT CONVEYOR BELT



CONVEYOR FEATURES

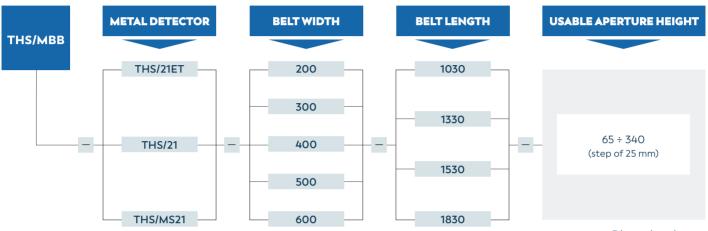




THS/MBB MODULAR CONVEYOR BELT

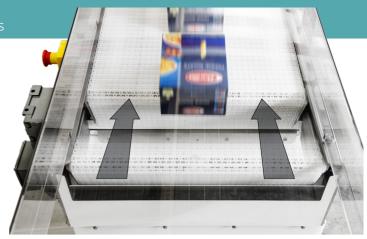


CONVEYOR FEATURES

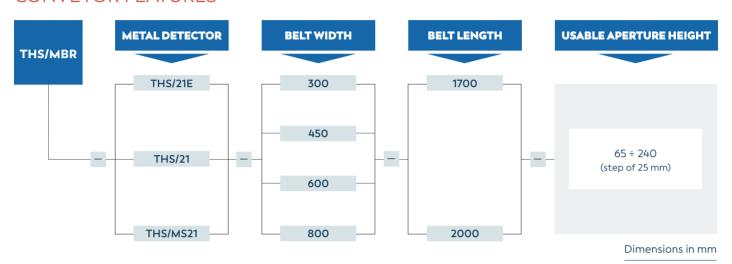


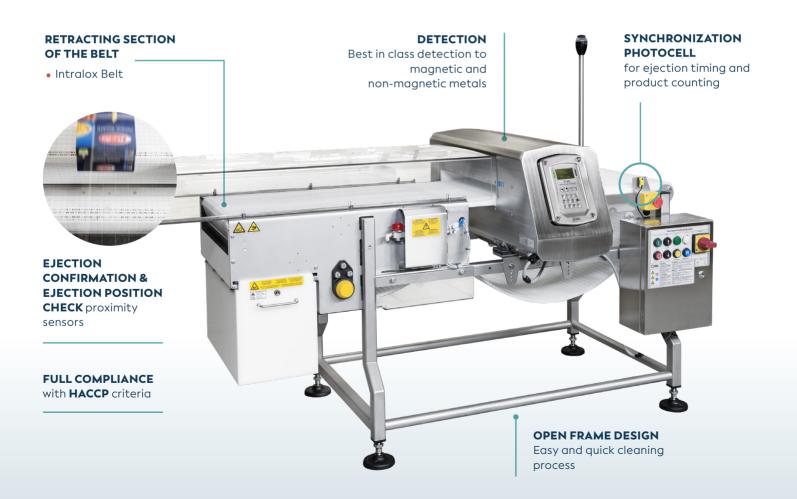


THS/MBR MODULAR CONVEYOR RETRACTABLE BELT



CONVEYOR FEATURES

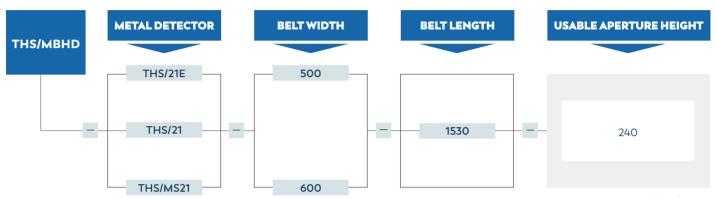


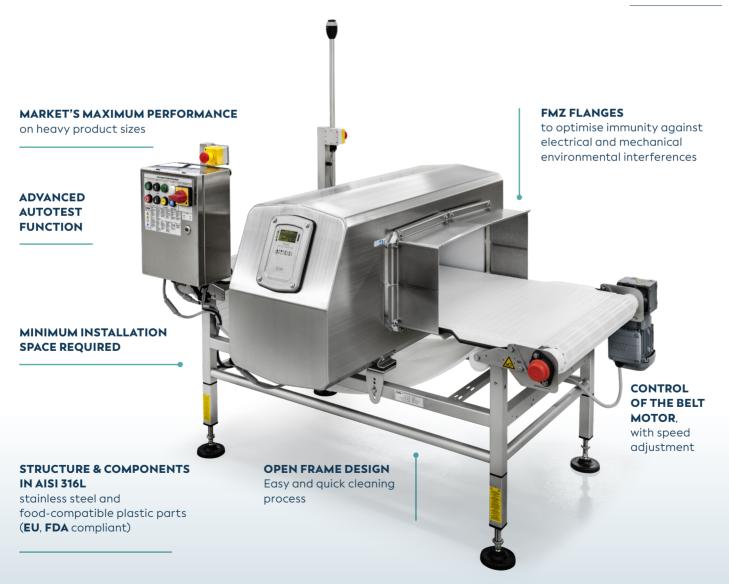


THS/MBHD HEAVY PRODUCTS INSPECTION



CONVEYOR FEATURES

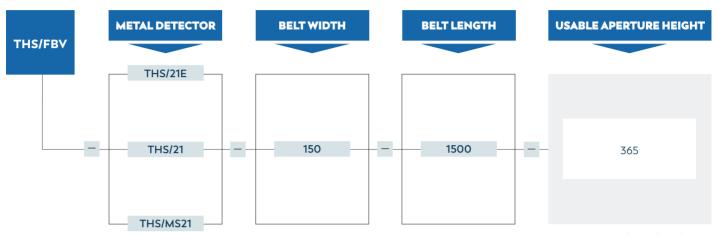




THS/FBV - THS/FBBV VERTICAL-ORIENTED PRODUCTS INSPECTION



CONVEYOR FEATURES

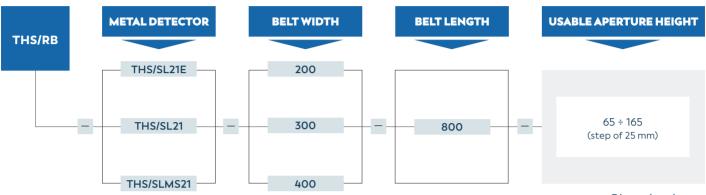




THS/RB ROUND CONVEYOR BELT



CONVEYOR FEATURES



- Dimensions in mm
- ✓ The THS/RB-800 is an innovative and unique system designed for seamless and highly compatible integration into standard checkweigher systems and other in-line applications, so that maximum detection sensitivity can always be achieved.
- ✓ The THS/RB-800 offers a high performance cost effective solution where space and best performance are critical.

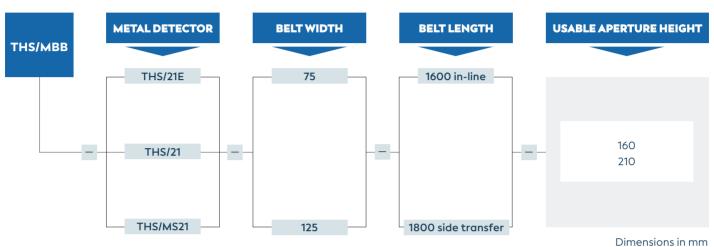


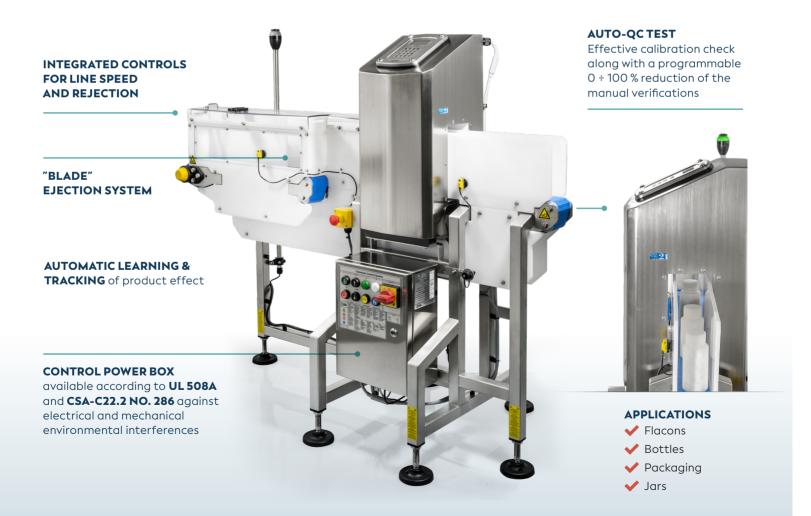
THS/MBB VERTICAL-ORIENTED

CONVEYOR INSPECTION SYSTEMS



CONVEYOR FEATURES





CUSTOMIZED CONVEYOR BELT SYSTEM CONV

OVERHEAD PUSHER EJECTOR



LIFT FLAP EJECTOR



FLAT CONVEYOR RETRACTABLE BELT (FBR)



IDLE ROLLER REJECT BIN



OTHER OPTIONS **AVAILABLE** ON REQUEST





CEIA - Zona Industriale 54, 52041 Viciomaggio - Arezzo (ITALY)

+39 0575 4181 • 🖾 qa-detectors@ceia-spa.com

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