

CEIA THS 21

THS/FBB AND THS/MBB CONVEYOR INSPECTION SYSTEMS



THS/MBB model



STRUCTURE AND COMPONENTS IN AISI 304 STAINLESS STEEL AND FOOD-COMPATIBLE PLASTIC PARTS (FDA, USDA COMPLIANT)

SUPERMARKET SPECIFICATIONS COMPLIANT

- Conveyor belt integrated with Metal Detector and ejection system
- Full compliance with HACCP criteria
- Digitally-adjustable belt speed
- High immunity to environmental interference
- Very high sensitivity to all magnetic and non-magnetic metals, including stainless steel
- Multi-spectrum technology available for extreme compensation of the product effect
- Maximum flexibility: all components are reversible
- Automatic learning & tracking of product effect
- Easy to clean and inspect
- 500 product data memories, selectable by local programming or network software
- Up to 40 definable users with username and password



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

CEIA is a Market Leader that has been designing and manufacturing Metal Detectors for industrial applications for over 40 years. The line of Quality Control Detectors includes the Conveyor Inspection Systems, featuring state-of-the-art performance and full compliance with industrial sector regulations.

CEIA offers a complete range of solutions for inspecting food products, both bulk and packaged. In particular, the THS 21 conveyor satisfies the most stringent requirements for functionality, compact construction, accuracy and reliability of response in dealing with accidental contamination in food products.

THS 21 Conveyor Inspection Systems offer total integration between CEIA's high-performance THS 21 Metal Detector and a hygienic structure in stainless steel, equipped with digital control of the speed and of the stages of ejection of non-conforming products.

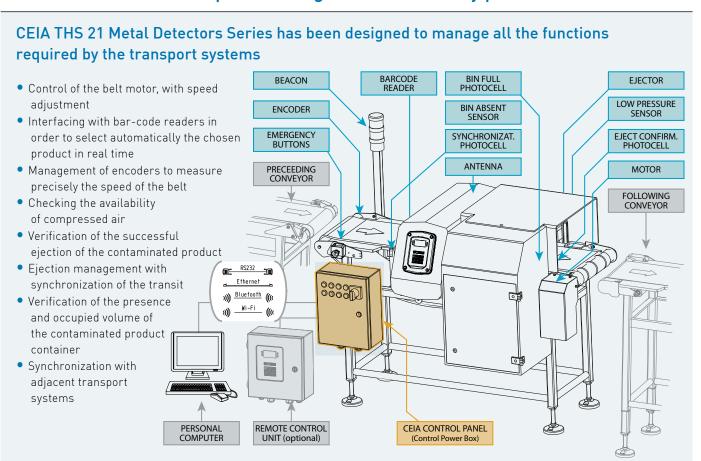
CEIA's THS 21 are available in a wide range of sizes covering the different application requirements.

The supporting structure, the Metal Detector and the belt control box are in stainless steel. The conveyor belt is **certified fully compatible with food product handling (FDA/USDA compliant)** requirements, as is the protective cover of the ejection area and the container for rejected products.



MULTI-SPECTRUM TECHNOLOGY AVAILABLE FOR EXTREME COMPENSATION OF THE PRODUCT EFFECT

Control Power Box: unequalled integrated connectivity performance





CEIA THS 21 Conveyor Inspection Systems are available in a wide range of sizes covering different application requirements.

The following tables provide a list of the standard available dimensions





MODERN, RUGGED AND USER FRIENDLY INTERFACE



EASY TO CLEAN AND INSPECT: THE CONVEYOR BELT CAN BE REMOVED WITHOUT ANY TOOLS



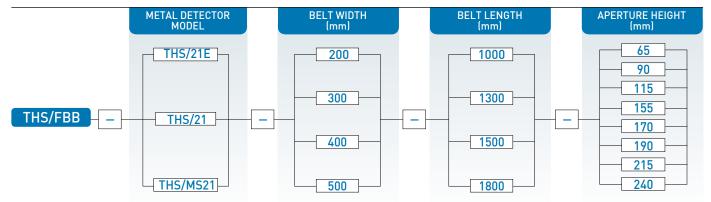


VERY HIGH SENSITIVITY TO ALL MAGNETIC AND NON-MAGNETIC METALS, INCLUDING STAINLESS STEEL

Pictures for reference only: all components are reversible

THE 21 ABC DEF ESC DEF

THS/FBB Flat Belt Configuration



		THS/FBB-X-X- 1000-X	THS/FBB-X-X- 1300-X	THS/FBB-X-X- 1500-X	THS/FBB-X-X- 1800-X
OPTICAL SIGNALLING DEVICE	RED: DETECTION & FAULT	•	•	•	•
	ORANGE: DETECTION ALARM AND BUZZER	•	0	•	0
	BLUE: TEST REQUEST	•	O	0	o
BELT STOP IN CASE OF ALARM		•	•	•	•
SYNCHRONIZATION PHOTOCELL		•	•	•	•
VARIABLE SPEED		•	•	•	•
TYPE OF STAND	FEET	•	•	•	•
	CASTORS	0	0	•	0
PUSHER RAM REJECT		-	O (1)	0	0
AIR BLAST REJECT		-	O (1)	0	0
STANDARD BIN		0	0	0	0
LARGE BIN		-	-	-	0
SIDE PANELS FOR PRODUCT CONTAINMENT		0	0	0	0
EJECTION CONFIRMATION		-	O	0	0
EJECTION CONFIRMATION / BIN FULL ALARM/ LOW PRESSURE ALARM		-	0	•	0
TEST KIT FOR EJECTION CONFIRMATION / BIN FULL ALARM		-	•	0	•



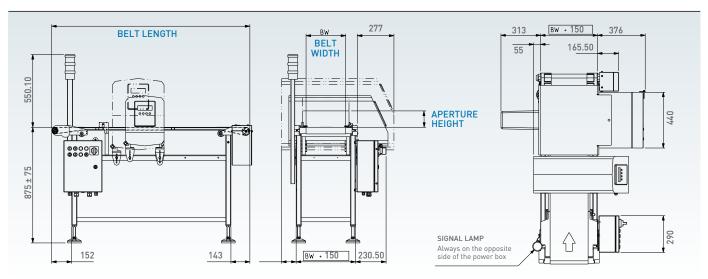
AIRBLAST EJECTION SYSTEM



CONVEYOR CASTORS

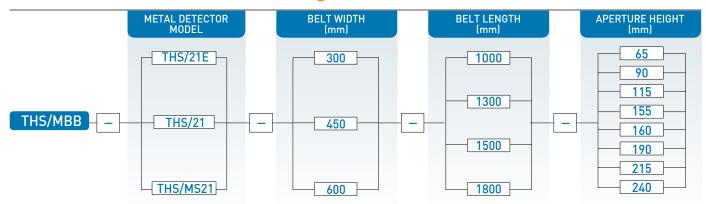
- STANDARD ACCESSORIES / OPTIONALS
- (1) Available with opening height \leq 145 mm

Dimensions (mm)





THS/MBB Modular Belt Configuration



		THS/MBB-X-X- 1000-X	THS/MBB-X-X- 1300-X	THS/MBB-X-X- 1500-X	THS/MBB-X-X- 1800-X
OPTICAL SIGNALLING DEVICE	RED: DETECTION & FAULT	•	•	•	•
	ORANGE: DETECTION ALARM AND BUZZER	0	0	0	O
	BLUE: TEST REQUEST	•	0	0	o
BELT STOP IN CASE OF ALARM		•	•	•	•
SYNCHRONIZATION PHOTOCELL		•	•	•	•
VARIABLE SPEED		•	•	•	•
TYPE OF STAND	FEET	•	•	•	•
	CASTORS	•	0	0	O
PUSHER RAM REJECT		-	O ₍₁₎	0	•
AIR BLAST REJECT		-	O ₍₁₎	0	0
STANDARD BIN		-	0	0	0
LARGE BIN		-	-	-	0
SIDE PANELS FOR PRODUCT CONTAINMENT		0	0	0	0
EJECTION CONFIRMATION		-	0	O	O
EJECTION CONFIRMATION / BIN FULL ALARM/ LOW PRESSURE ALARM		-	0	0	O
TEST KIT FOR EJECTION CONFIRMATION / BIN FULL ALARM		-	•	0	O



PUSHER RAM REJECT

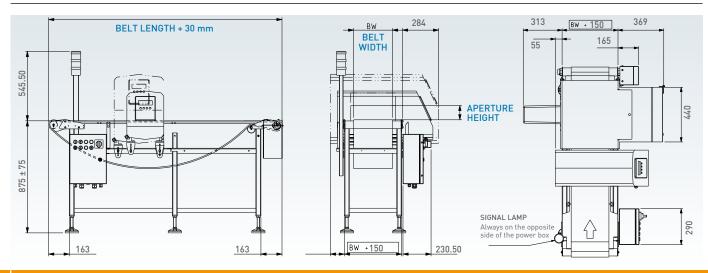


STANDARD BIN WITH TRANSPARENT WINDOW AND SECURITY LOCK

STANDARD O ACCESSORIES / OPTIONALS

(1) Available with opening height \leq 145 mm

Dimensions (mm)



CONVEYOR INSPECTION SYSTEMS

Specifications

GENERAL FEATURES

Conveyor belt integrated with Metal Detector and ejection system

Full compliance with HACCP criteria

Structure and components in stainless steel and food-compatible plastic parts (FDA, USDA compliant)

Control Panels listed according to UL 508A and CSA-C22.2 No. 14-05 available

Digitally-adjustable belt speed

High immunity to environmental interference

Easy to clean and inspect

Very high sensitivity to all magnetic and non-magnetic metals, including stainless

Multi-spectrum technology for extreme compensation of the product effect

Automatic learning & tracking of product effect

High reliability motor driver with stainless steel protection cover and high pull

Easy belt alignment

Designed to meet the highest safety Standards

500 product data memories, selectable by local programming or network

Up to 40 definable users with username and password

DATA MANAGEMENT Electronic Records and Signatures Management compliant with 21 CFR Part 11:

Data Security, Data Integrity, Data Traceability from 10m/min to 50m/min **BELT CONTROL** Digitally-controlled variable speed

EJECTION SYSTEMS Belt stop and alarm

other speeds available on request

Air blast reject Pusher ram reject

100-120 Vac or 200-240 Vac, single phase - 50-60 Hz - 11.4A max

POWER SUPPLY (600-1000 kPa) Compressed air

Flow: 50 liters/min (pusher ram reject) 600 liters/min (airblow ejector)

CONTROL INPUTS Downstream and upstream belt authorization

ENVIRONMENTAL Operating temperature: 0°C to +50°C CONDITIONS Relative humidity: 5 to 90% (without condensation)

DEGREE Control Power Box certified: Type 4X-12 (UL 50) available

OF PROTECTION Conveyor System: IP65 (IEC 529)

SIGNALS System completely monitored by self-diagnosis

Optical/acoustic signal for faults and alarms

INTERFACE RS-232 Serial interface

Bluetooth

Ethernet interface (on request)

WI-FI (on request)

MANAGEMENT THS Production software for statistical and operational management of **SOFTWARE**

networked THS systems

MD-SCOPE for local maintenance and programming operations

CERTIFICATION **AND CONFORMITY**

- Conforms to current Regulations for Industrial Metal Detection Systems.
- Complies with EC Regulations and International Standards relating to Electrical Safety and Electromagnetic Compatibility.

QUALITY CONTROL TEST **SAMPLES**

CEIA Test Samples box: CEIA supplies metrological samples certified for diameter and electromagnetic signal issued by LACE, CEIA's Electromagnetic Compatibility Laboratory





THS PRODUCTION SOFTWARE FOR STATISTICAL AND OPERATIONAL MANAGEMENT OF **NETWORKED THS SYSTEMS**





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