

# (皮帶輸送式)食品金屬探測器

WE-THSFBB



- 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

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 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.

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.



# 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 steel
- 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 capability
- Easy belt alignment
- Designed to meet the highest safety Standards
- 500 product data memories, selectable by local programming or network software
- 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

## Belt control

- Digitally-controlled variable speed: from 10m/min to 50m/min, other speeds available on request

## Ejection Systems

- Belt stop and alarm
- Air blast reject
- Pusher ram reject

## Power supply

- 100-120 Vac or 200-240 Vac, single phase - 50-60 Hz - 11.4A max
- Compressed air
- 600-1000 kPa
- Flow: 50 liters/min (pusher ram reject)
- 600 liters/min (airblow ejector)

## Control inputs

- Downstream and upstream belt authorization

## Environmental conditions

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

## Degree of protection

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

- THS Production software for statistical and operational management of 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.



### A Division of Wei-Zhou Group

瑋洲企業有限公司

地址: 台灣高雄市前鎮區武德街 135 巷 24 號

信件請寄: 高雄市郵政信箱 1394 號

Tel : 07-7169249 Fax : 07-2134620

Weizhou International Co., Ltd







Address : No. 24, Lane 135 Wu-de St., Kaohsiung City, Taiwan ROC80647

Mailing : P. O. Box 1394 kaohsiung City. Taiwan ROC

Tel : 886-7-7169249 Fax : 886-7-2134620

E-MAIL : [industry-machine@weizhou.com.tw](mailto:industry-machine@weizhou.com.tw)

<http://www.weizhou.com.tw/military/i-military/fooddetector/index.htm>

 QQ : 1467808036     SKYPE : service450429     LINE : weizhou1995  
 Wechat : walterhsu1995     Viber : +886972326392     WhatsApp : +886972326392