

# EMIS series

AUTOMATIC SCREENING DEVICES  
FOR NON-METALLIC CARGO

TSA  
Qualified

EU  
Certified



EMIS 110160  
for palletized cargo

- Fully automatic detection of initiators and metal components of explosive devices
- Ideal for inspection of perishable goods, newspapers, organic products in general
- Low-intensity electromagnetic field: uses no ionizing radiation
- No dedicated operator needed
- Available in different sizes for inspection of single packages or entire pallets
- Complete data logging and traceability
- Completely solid-state construction: no periodic maintenance or calibration required



CEIA An  
ISO 9001 Company

[www.ceia.net](http://www.ceia.net)

**Threat Detection through Electromagnetics**

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

45+  
years of  
experience



## EMIS series

Automatic Screening Devices for non-metallic cargo

### Fully Automatic Detection

The EMIS is designed to automatically detect detonators and metal components of explosive devices inside paper, newspaper, perishable goods such as produce, fish and meat (fresh or frozen) and organic material in general.

**Electromagnetic inspection is the most suitable and quickest method for checking non-metallic cargo.** The advanced technology employed in the EMIS minimizes the interaction with the goods themselves and does not depend on visual interpretation of an image by an operator.



**EMIS 8075**   
for package inspection

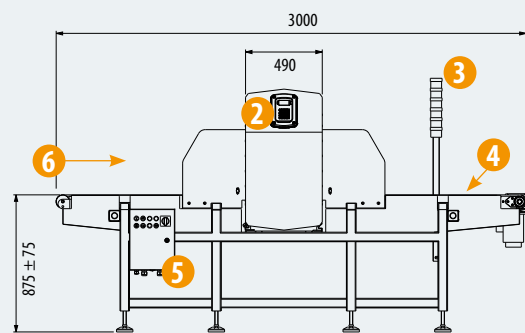
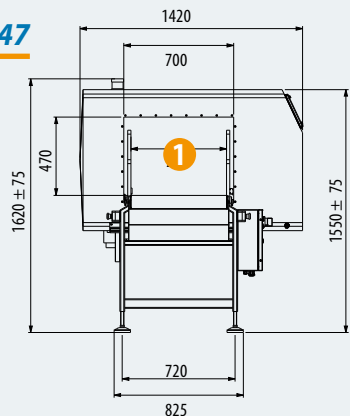


 **EMIS 6047**  
screening packages before shipping

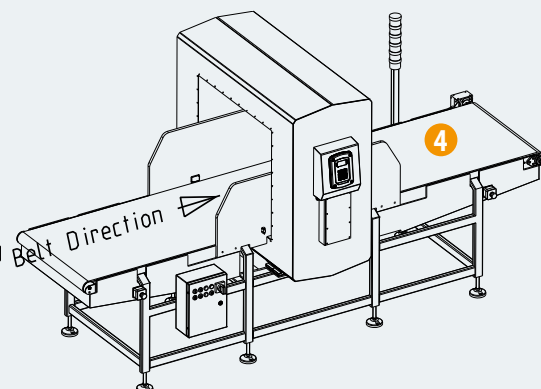
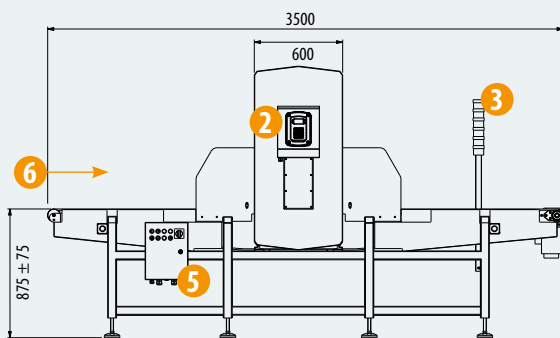
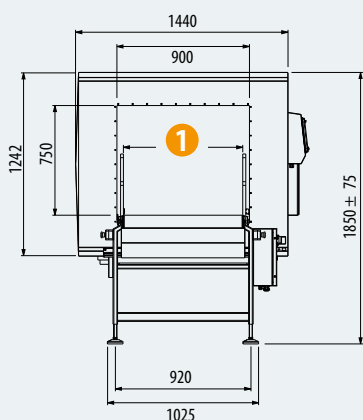
### Overall Dimensions [mm]

- 1 TUNNEL USEFUL AREA:
  - 600 mm X 470 mm [6047 model]
  - 800 mm X 750 mm [8075 model]
- 2 PROGRAMMING PANEL
- 3 OPTICAL AND ACOUSTIC ALARM
- 4 CONVEYOR BELT
- 5 MOTOR CONTROL UNIT
- 6 ENTRANCE

#### EMIS® 6047



#### EMIS® 8075

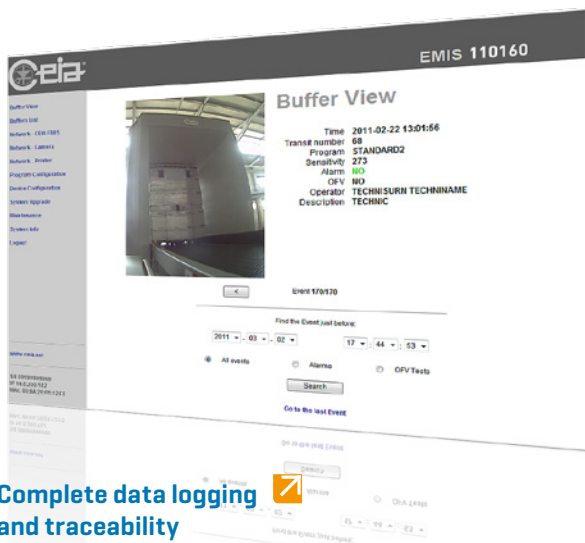




## EMIS models 110160, 130160 and 130200 are the first available automatic e.m. scanners for inspection of entire pallets of non-metallic cargo.

The **EMIS 6047** and **8075** are intended for inspection of packages while the models **110160** and **130160** can analyze palletized cargo.

The **EMIS 110160, 130160 and 130200** provide an automatic response based on pre-set threshold values being exceeded. The models can be used as a stand alone or in-line inspection device.



**Complete data logging and traceability**

**EMIS 130200**   
for palletized cargo



### EMIS® 110160 EMIS® 130160 EMIS® 130200

**1 TUNNEL USEFUL AREA:**

- 1100 mm X 1600 mm [110160 model]
- 1300 mm X 1700 mm [130160 model]
- 1300 mm X 2000 mm [130200 model]

**2 PROGRAMMING PANEL**

**3 POWER SUPPLY AND MOTOR CONTROL UNIT**

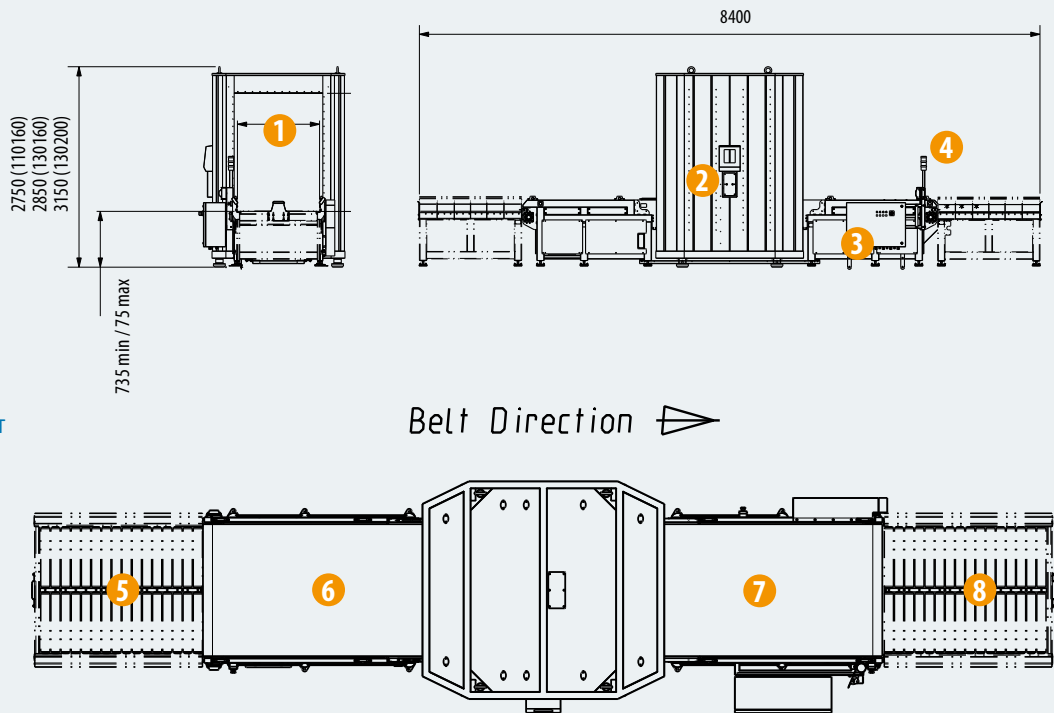
**4 OPTICAL AND ACOUSTIC ALARM**

**5 ENTRY ROLLER CONVEYOR**

**6 ENTRY CONVEYOR STRUCTURE**

**7 EXIT CONVEYOR STRUCTURE**

**8 EXIT ROLLER CONVEYOR**





## EMIS series

Automatic Screening Devices for non-metallic cargo

## Specifications

DETECTION FUNCTIONS	Analysis of containers of perishable goods and paper without metal content	
	CEIA electromagnetic-profile analysis technology	
	0.5 ppm by weight Detection Sensitivity at maximum load (110160, 130160 and 130200 models)	
	Tunnel useful area	<b>6047</b> model: 600 mm x 470 mm <b>8075</b> model: 800 mm x 750 mm <b>110160</b> model: 1100 mm x 1600 mm <b>130160</b> model: 1300 mm x 1700 mm <b>130200</b> model: 1300 mm x 2000 mm
	Height of the conveyor belt	<b>6047 - 8075</b> models: 875 mm ± 75 mm adjustable <b>110160 - 130160</b> models: 735 mm min / 755 mm max
	Maximum transport weight	<b>6047 - 8075</b> models: 135 ÷ 275 kg total (depending on the speed) <b>110160 - 130160 - 130200</b> models: 1500 Kg
	Maximum pallets height	<b>110160</b> model: 1550 mm <b>130160</b> model: 1650 mm <b>130200</b> model: 1950 mm
	Speed range	20 to 50 m/min ( <b>6047 - 8075</b> models)
	Inspection time	Less than 1 min ( <b>110160 - 130160 - 130200</b> models)
	Inspection capacity	Adjustable, up to 3,000 packs per hour ( <b>6047 - 8075</b> models) Up to 60 pallets per hour with automatic loading/unloading pallet system ( <b>110160 - 130160 - 130200</b> models)
STRUCTURE	Material	AISI 316L Stainless Steel
	Protection degree	IP65
	Weight	<b>6047</b> model: 500 kg <b>8075</b> model: 700 kg <b>110160</b> model: 4000 Kg <b>130160</b> model: 5000 kg <b>130200</b> model: 5150 kg
POWER SUPPLY	Supply voltage	200-240 V, 50-60 Hz
	Maximum current	11.4 A ( <b>6047 - 8075</b> models) 20 A ( <b>110160 - 130160 - 130200</b> models)
PROGRAMMING AND COMMUNICATIONS	Modern, rugged and user friendly interface	
	Easy to read, high-contrast (3000:1) graphic display	
	Rugged, anti-vandalic stainless steel keyboard	
	Programming access protected by multiple password levels	
	Selection of the operative program	
	Programming type	Local, through the built-in keyboard
Memory	125 programs, 100000 storable events	
USB Storage device connection		
ALARM FUNCTIONS	Automatic slowing and stopping of the conveyor	
	Manual alarm reset and consequent restarting of the conveyor	
	Visible and audible alarms	
CONTROL INPUTS	Connection of:	following conveyor authorization, emergency button
	Serial interface RS232	Built-in
	Bluetooth connection	Built-in (deactivable)
	USB Interface	Built-in
	Ethernet interface	Built-in 10 - 100 Base-T
	Video Camera	Built-in IP camera ( <b>110160 - 130160 - 130200</b> models)
OUTPUTS	5 programmable relays (30Vca - 2.5A) for the activation of external devices	
	Alarm relay	
	Ready relay	
	Ejector relay	
	Preceding conveyor relay	
Item clear relay		

### Environmental Data

- Operating temperature: -10°C to +50°C
- Storage temperature: -25°C to +70°C
- Relative humidity: 0 to 95% (without condensation)

### Conformity

- Conforms to the international standards currently applicable for electrical safety and EMC, and to the applicable EC Regulations
- Complies with Regulations relating to pacemakers, defibrillators or other vital support systems, pregnant women and magnetic storage media (floppy disks, audio cassettes, video cassettes and similar)

### Applicable commodity groups

- Grains and animal feed, produce, perishables, bakery goods, dry goods
- Seafood and Meat
- Wearing apparel (without metallic accessories)
- Paper products, plastic, rubber
- Printed Material
- Flowers and herbs

### for the following CCSF

- Shipping facilities
- Freight Forwarding Facilities
- Third Party Logistics Providers
- Manufacturing Facilities
- Warehouses
- Distribution Centers
- Growers of produce



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