EMIS® *series*

AUTOMATIC SCREENING FOR **NON-METALLIC CARGO**

KEY FEATURES

- Detect automatically detonators and metal components of explosive devices
- Low cost of ownership
- No dedicated operator
- High throughput
- No ionizing radiation
- Completely solid-state construction (no periodic maintenance or calibration required)

INSPECTION OF

- Flowers and perishable goods
- Paper products
- Textiles and Clothing
- Plastic and wooden products

* The **EMIS series** devices are the **only Cargo Metal Detection equipment** that are both endorsed by the **ECAC** and qualified by the **TSA.**

C∈ia® USA

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Threat Detection through Electromagnetics

The **EMIS** (**Electro-Magnetic Inspection Scanner**) equipment are security screening devices designed to inspect non-metallic cargo.

Using **CEIA exclusive Electromagnetic Profile Analysis technology**, these devices ensure automatic detection of detonators and electronic circuits from IEDs (Improvised Explosive Devices), ammunition and weapons composed of metal (knives, firearms). In case of detection, the scanners give an audible and visual alarm.

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.

DIFFERENT SIZES FOR INSPECTION OF SINGLE PACKAGES OR ENTIRE PALLETS

✓ **EMIS 8075** FOR SCREENING OF PACKAGES

✓ **EMIS 130160 - EMIS 130200** FOR PALLETIZED CARGO

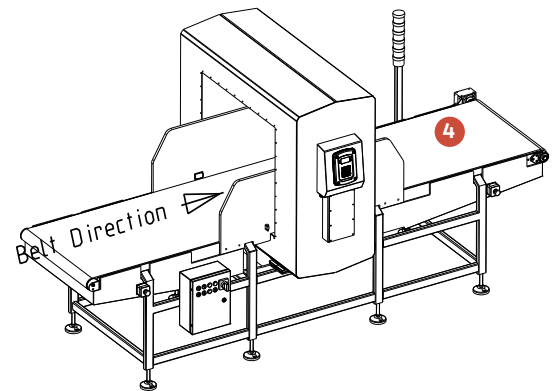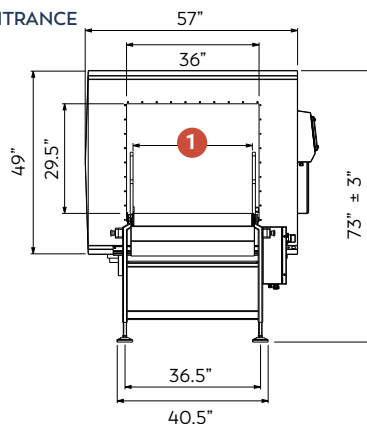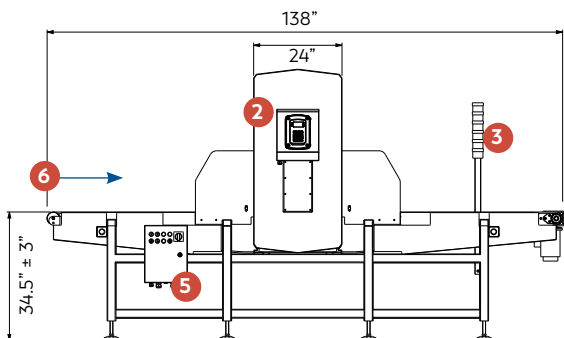✓ **ALL MODELS** CAN BE USED AS A STAND ALONE OR IN-LINE INSPECTION DEVICE

EMIS 8075 for package inspection

OVERALL DIMENSIONS

EMIS 8075

1. TUNNEL USEFUL AREA: 31.5" X 29.5"
2. PROGRAMMING PANEL
3. OPTICAL AND ACOUSTIC ALARM
4. CONVEYOR BELT
5. MOTOR CONTROL UNIT
6. ENTRANCE

138"
24"
34.5" ± 3"

57"
36"
49"
29.5"
73" ± 3"
36.5"
40.5"

Belt Direction

CEIA USA 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.

EMIS models 130160 and 130200 are the first available automatic e.m. scanners for inspection of entire pallets of non-metallic cargo. Moreover, the *EMIS series* are the first e.m. scanners that have been **qualified according to the TSA Air Cargo Screening Program**.

They are also the first devices that have been tested under the ECAC Common Evaluation Process Framework and **meet the ECAC performance standard for Metal Detection Equipment (MDE)**.

EMIS 130160 and 130200 for palletized cargo

EFFICIENCY AND LOW COST OF OWNERSHIP

The EMIS offers the ability to automatically screen complete pallets, helping to avoid the need for breakdown and ensuring the highest throughputs are maintained when compared to other approved technologies.

The automatic electromagnetic analysis offers a superior level of detection performance guaranteeing the safety of all shipments.
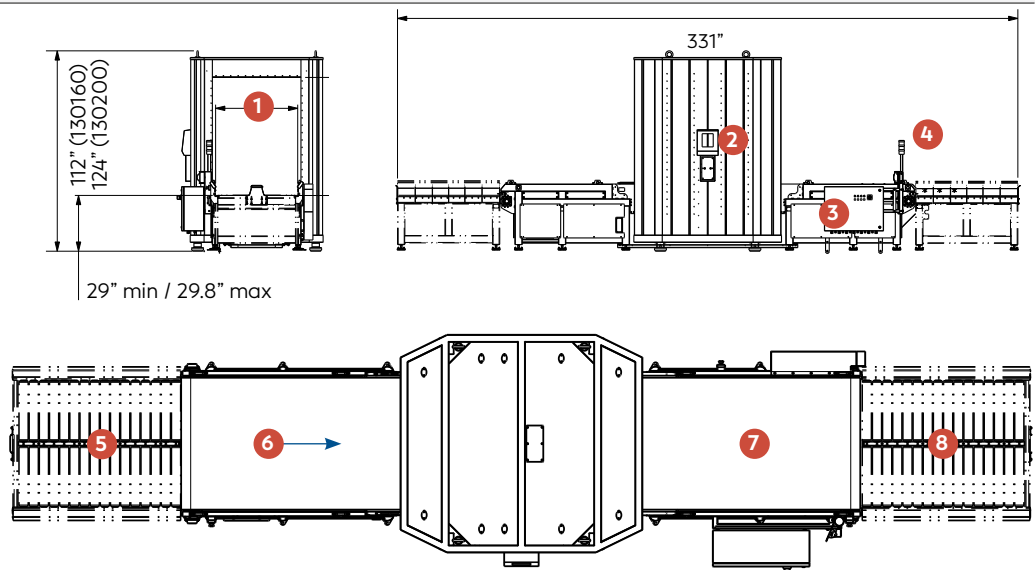
The automated screening process does not require the use of an operator for image interpretation and no regular staff rotation periods for constant operation. Peak periods can be helped by the increased throughput EMIS offers, combined with the ability to redeploy staff normally associated with image interpretation to areas where they are most needed.

The solid-state construction requires no periodic maintenance or calibration ensuring a substantial reduction in the life-cycle costs of the equipment.

EMIS 130160 - 130200

1 TUNNEL USEFUL AREA:
   51" x 67" (130160 model)
   51" x 78.8" (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

112" (130160)
124" (130200)

29" min / 29.8" max

331"

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 (**130160**, **130200** models)		
	Tunnel useful area	**8075** model: 31.5" x 29.5"	**130160** model: 51" x 67"
			130200 model: 51" x 78.8"
	Height of the conveyor belt	**8075** model: 34.5" ± 3" adjustable	
		130160 - **130200** models: 29" min / 29.8" max	
	Maximum Conveyor Load	**8075** model: 400 lbs typical – 600 lbs evenly distributed	
		130160 - **130200** models: 3,300 lbs	
	Maximum pallets height	**130160** model: 65" - **130200** model: 77"	
	Speed/Inspection Time	20 in/s (**8075** model)	
		Less than 1 min per pallet (**130160** - **130200** models)	
STRUCTURE	Material	AISI 316L Stainless Steel	
	Protection degree	IP65	
	Weight	**8075** model: 1,550 lbs	**130160** model: 11,000 lbs
			130200 model: 11,350 lbs
POWER SUPPLY	Supply voltage	200-240 V, 50-60 Hz	
	Maximum current	11.4 A (**8075** model) - 20 A (**130160** - **130200** models)	
PROGRAMMING AND COMMUNICATIONS	Modern, rugged and user friendly interface		
	Easy to read, high-contrast (3000:1) graphic display		
	Rugged, anti-vandalism 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 (**130160** - **130200** models)	
OUTPUTS	5 programmable relays (30Vca – 2.5A) for the activation of external devices: • Ready to load relay • Ready relay • Ejector relay • Preceding conveyor relay • Item clear relay		

ENVIRONMENTAL DATA

- Operating temperature: 14°F to 122°F
- Storage temperature: -13°F to 158 °F
- 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

APPLICABLE COMMODITY GROUPS

- Grains and animal feed, produce, perishables, bakery goods, dry goods
- Seafood and Meat
- Textiles and Clothing (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