METAL DETECTORS FOR SMALL AND MEDIUM PRODUCTS

➢ Detector dedicated to testing small packaged products (e.g. meat in vaccum) as well unpackaged in bulk (frozen vegetables and fruits).

➢ Thanks to the use of modular tape the detector is adapted to work in difficult conditions, the tape can be easily removed disassemble for washing which is guaranteed maintaining the highest level purity.

Model		ELEKTRON-MD		
Specification		2008	3008, 3012 3015, 3018	4008, 4012 4015, 4018
Detection level	**Fe**	od Ø 0,5 mm	od Ø 0,6 mm	od Ø 0,8 mm
	NoFe	od Ø 0,7 mm	od Ø 0,8 mm	od Ø 1,0 mm
	St/st	od Ø 0,8 mm	od Ø 1,0 mm	od Ø 1,2 mm
Probe clearance working width		200 mm	300 mm	400 mm
Probe clearance working height		80 mm	80 mm, 120 mm 150 mm, 180 mm	80 mm, 120 mm 150 mm, 180 mm
The width of the conveyor belt		160 mm	260 mm	360 mm
Maximum load		10 kg/m^2	15 kg/m^2	25 kg/m^2
Transporter length		1500 mm (other length optional)		
Standard conveyor height		800+100 mm (other height optional)		
Operator Panel		HMI touch screen (analog buttons optional)		
Type of conveyor belt		Modular (polyurethane optional)		
The direction of the conveyor's work		Left to Right (Right to Left Optional)		
Type of control panel cover		Polycarbonate (optional stainless steel)		
sides		Fixed (optional adjustable)		
Pollution detection signaling		Optical-acoustic alarm and conveyor belt stop		
Conveyor belt speed		Adjustable in the range of 0-35 m/min (optionally fixed)		
"FROST" system		Option		
Power		230V, 50HZ		
Working temperature		0-45°C		
Material		Glass-blasted stainless steel		

APPLICATION

ELEKTRON-MD metal detectors are dedicated mainly to the food industry. We offer devices designed for products packed and unpackaged (inclbulk) such as:
- meat, sausages - fresh and frozen,
- fish, seafood - fresh and frozen,
- dairy products,
- vegetables and fruits - fresh, frozen and processed,
- bakery and confectionery products,
- ready meals, e.g. pizza,
- cereal products,
- spices and herbs,
- coffee beans, ground, soluble,
- sugar, salt,
- teas, dried fruit,
- nuts and dried fruits - mixtures ready for industry confectionery
- and wherever necessary.

WHAT MAKES OUR DETECTORS

- Lifetime warranty on probes (excluding electronics).
- Technical support by phone or e-mail.
- Warranty and post-warranty service within 24 hours.
- Publicly available spare parts of known and reputable companies.
- Repair and modernization of equipment in accordance with requirements and expectations of our customers.
- Reactivation and improvement of all ours metal detectors, even the oldest ones, to the current generation.
- Consultations and training.
- Periodic inspections of our production equipment.
- Compliance with HACCP, CE system standards, IFS and NEC.

AUTO LEARNING SYSTEM

The ELEKTRON-MD series of detectors has a unique the self-learning system ticked in other detectors contactless. Self-learning system analyzes the tested product and automatically saves the detection parameters (e.g. the influence of the product and ambient background). Control detector the conveyor automatically moves the product through the detection probe window back and forth until graduation. This solution makes your work easier especially with heavy products. Thanks to this learning is much more accurate without interruption and also increases the level of detection and stability metal detector operation.

AUTO CALIBRATION SYSTEM

Metal detectors of our production have built-in **auto-calibration system**, thanks to which devices do not require constant inspections service. The detection system accurately oscillates at the frequency of the test substance, he himself has variable values. management system, it is designed so that with each disconnecting the detector from the mains for about 15 minutes automatically performed background analysis and same system calibration after reboot.
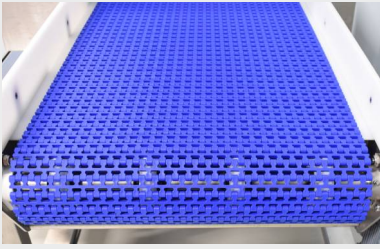
"FROST" SYSTEM

Our metal detectors can be equipped with unheard of in other detectors, the **system"FROST"** with a built-in intelligent heating and thermostat, inside the panel control that protects internal systems electronics against moisture and cold. Is it the only protection against abrupt changes temperatures during washing and protects against absorption of moisture inwards (e.g. cold machine washed with hot water).
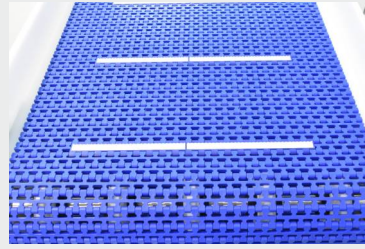
MAXIMUM DIMENSIONS OF TESTED PRODUCTS

ELEKTRON-MD	2005, 2008, 2010 2012, 2015	3005, 3008, 3010 3012, 3015, 3018, 3020	4005, 4008, 4010 4012, 4015, 4018 4020, 4025, 4030
Height [mm]	50, 80, 100 120, 150	50, 80, 100 120, 150, 180, 200	50, 80, 100 120, 150, 180 200, 250, 300
Width [mm]	160	260	360

EQUIPMENT FOR METAL DETECTORS

Modular tape
used for difficult work conditions. Quick disassembly and the possibility of easy washing of the tape makes it easy to keep the device in purity.

Modular tape with gripp
has rubber grippers (rubber gripper) that improve product adhesion to surface to work with on ascending conveyors.

Polyurethane tape
is used for transport of loose products or unpackaged products.

Polyurethane belt with wheels
made of one element plastic so it doesn't fray and doesn't contaminates food, easy for cleaning.

Belt loosening
"easy clean"-thanks to the application special design of the detector it is possible to loosen the tape transporting in order to easy washing the belt and the entire machine.

Adjustable sides
enable priming of the product, mainly used for no separator.
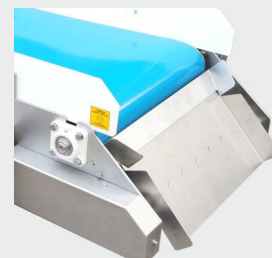
TYPES OF RECOIL SYSTEMS

Blower
A very efficient and ergonomic system for light products up to 0.5 kg.

Pusher
Commonly used reject system for packaged products. We offer bulldozers for products from 1 kg to 60 kg.

Trap
Reliable recoil system for loose products.

www.detektorymetali.com

TYPES OF CONTAINERS FOR REJECTED PRODUCTS

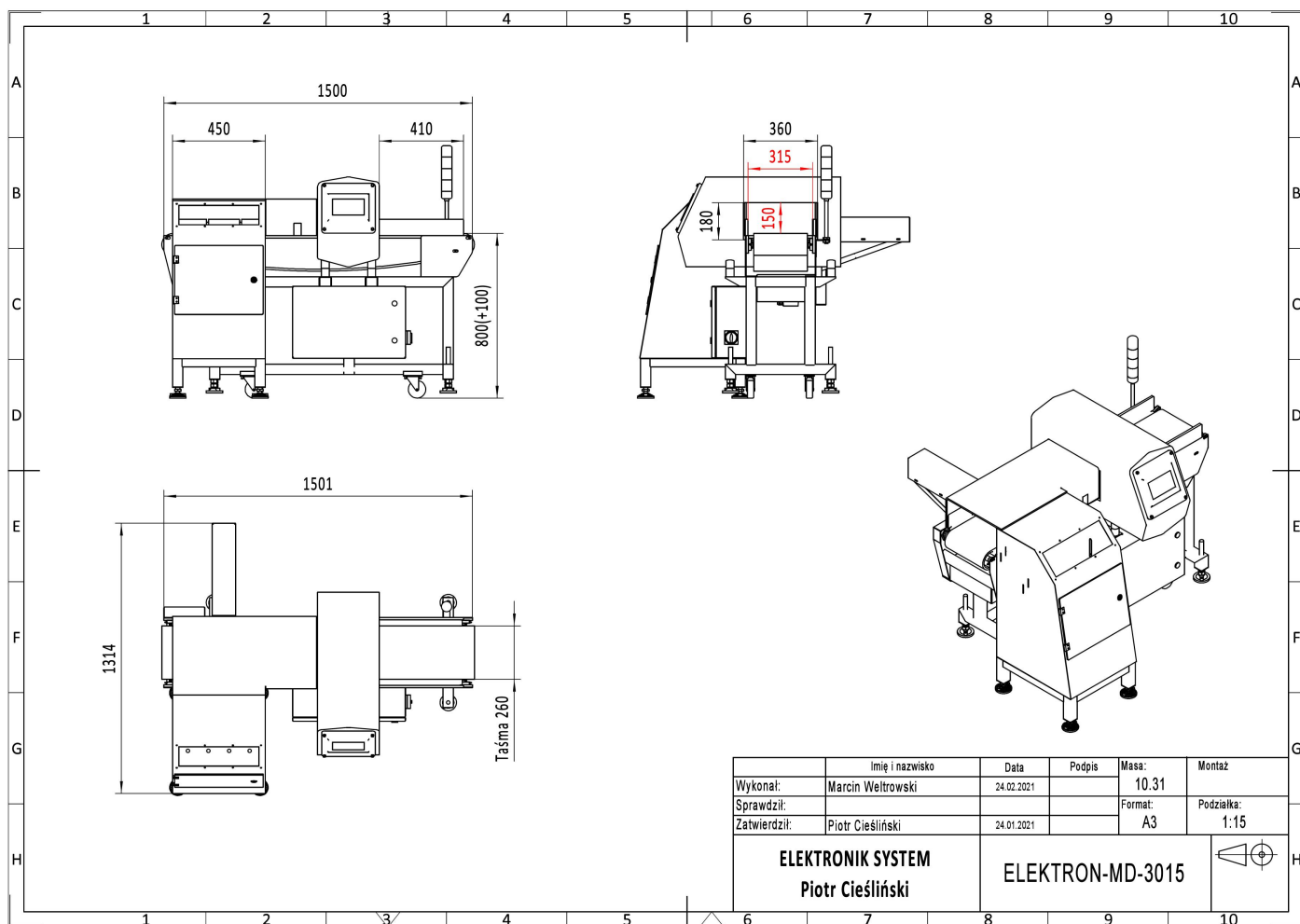| Hanging container that opens at the front	Hanging container opened from the top	Standing container that opens at the front

OUR REALIZATIONS

	Imię i nazwisko	Data	Podpis	Masa:		Montaż	
Wykonał:	Marcin Weltrowski	24.02.2021		10.31			
Sprawdził:				Format:		Podziałka:	
Zatwierdził:	Piotr Cieśliński	24.01.2021		A3		1:15	

ELEKTRONIK SYSTEM
Piotr Cieśliński

ELEKTRON-MD-3015

3D DRAWING OF ELEKTRON-MD-3015