



ELEKTRONIK SYSTEM

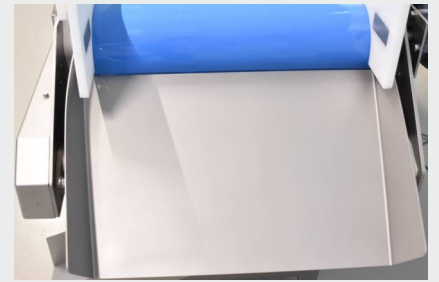
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NONSTANDARD METAL DETECTORS

- We do nonstandard constructions for metal detectors for difficult products intended for milling.
- „Easy clean” –construction of the detector allows loosening using the conveyor belt lever for easy belt washing and the entire machine.



Model		ELEKTRON-MD
Detection level (depending on probe size)	Fe	od Ø 0,8 mm
	NoFe	od Ø 1,0 mm
	St/st	od Ø 1,2 mm
Probe clearance working width		On customer's request from 260 mm to 1660 mm
Probe clearance working height		On customer's request from 50 mm to 400 mm
Standard conveyor 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 sides		Polycarbonate (optional stainless steel) 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

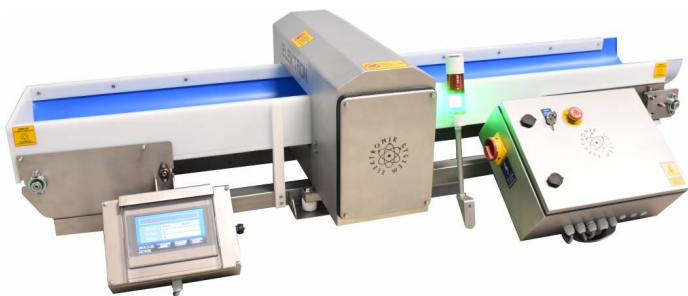
APPLICATION

ELEKTRON-MD metal detectors are dedicated mainly to the food industry. We offer devices designed for products packed and unpackaged (loose) 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 - ready-to-use mixtures for the industry confectionery.
- and wherever it is needed.

YOUR BENEFITS

- 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 our 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** that is used 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.

AUTOCALIBRATION 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.

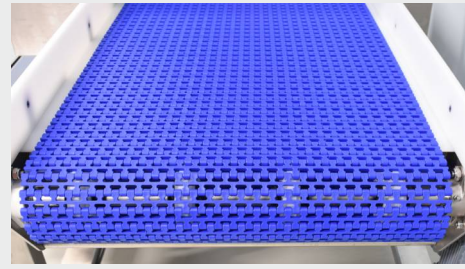
„FROST” SYSTEM

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. It is the only protection against abrupt changes temperatures during washing and protects against absorption of moisture inwards (e.g. cold machine washed with hot water).

EQUIPMENT FOR METAL DETECTORS

MODULAR BELTS

The tape is used to work in difficult conditions. Quick disassembly and easy cleaning of the tape make it easier to keep the device clean.



The belt has rubber grippers that improve the adhesion of the product to the surface, which allows you to work on ascending conveyors.



POLYURETHANE TAPES

Used to transport loose or unpacked products.

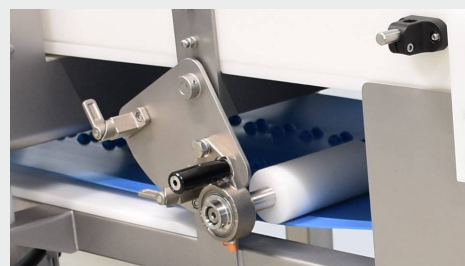


The tape is made of one piece of plastic, so it does not fray and does not contaminate food, easy to clean.



TAPE LOOSENING

„Easy clean” - the design of the detector allows loosening the conveyor belt for easy cleaning of the belt and the entire machine.



ADJUSTABLE SIDES

They make it possible the product to be directed to the right track, mainly used in the absence of a separator.

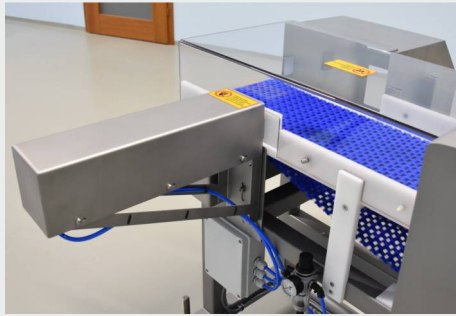


SEPARATOR SYSTEMS



Blower

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



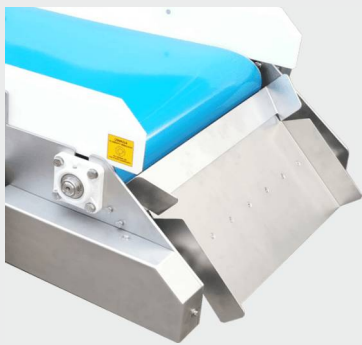
Pusher

Widely used rejection system for products packed. We offer pusher for products from 1 kg to 60 kg.



Flipper

Fast recoil system to save installation space for products up to 2 kg.



Trap

Reliable recoil system for loose products.



A trapdoor in the form of a falling conveyor

Rejection system designed for long products with a closed zone and a lockable container.



Double trap

TYPES OF REJECTED PRODUCT CONTAINERS



Hanging container with front opening

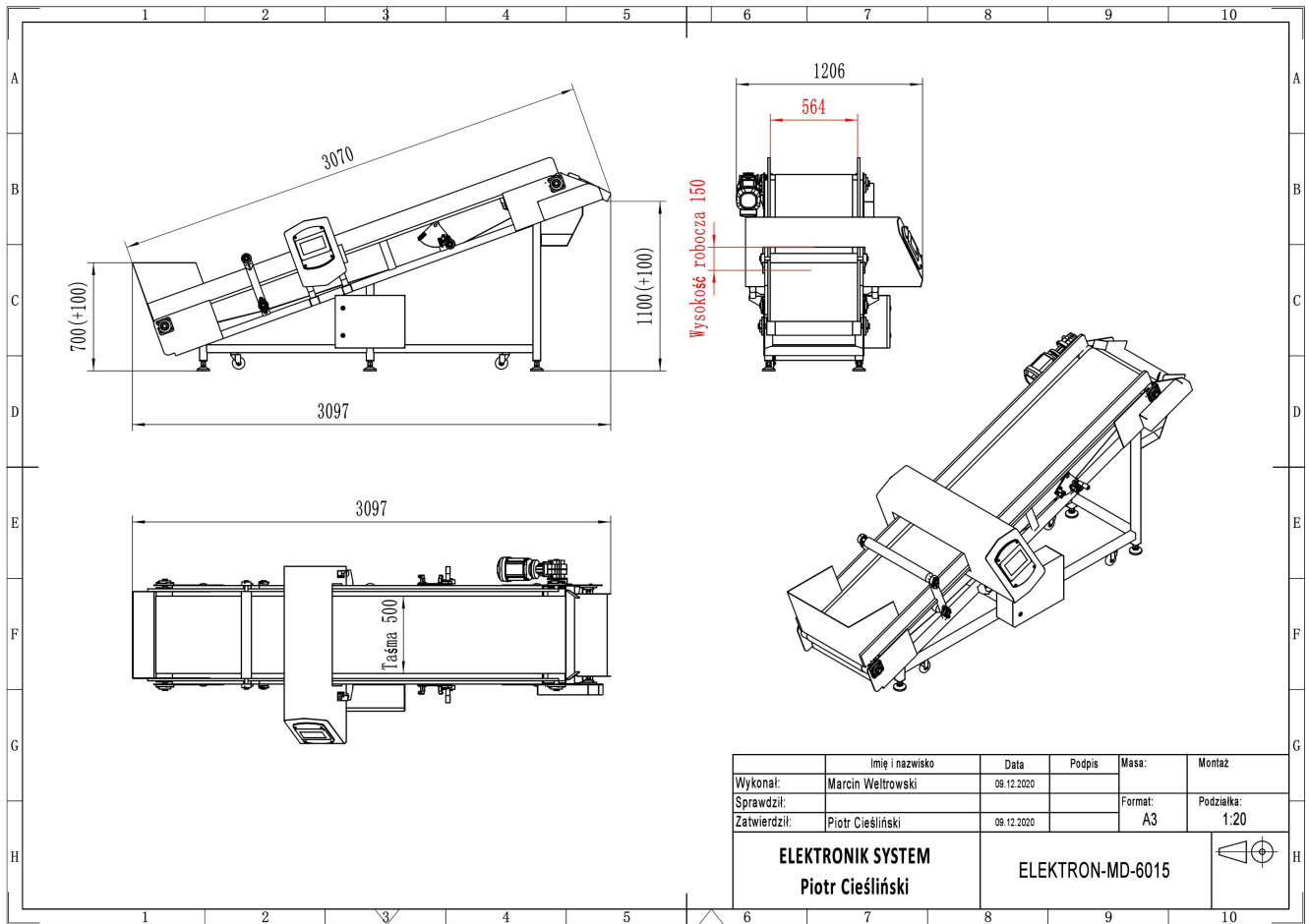


Top-opening hanging container for light products



A standing container with front opening for heavier products

TECHNICAL DRAWING ELEKTRON-MD-6015



OUR REALIZATIONS

