



ELEKTRONIK SYSTEM

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TUBE PRESSURE METAL DETECTORS

- The detector is designed to test dense masses and liquids under pressure, such as stuffings, meat and fish luncheons, as well as jams or spaghetti sauces, etc.
- Contaminated product separator implemented by means of a three-way pneumatically controlled valve.
- The system rejects only a small amount of the product along with the contamination.
- Quick response time is 1s.



Model		ELEKTRON-MD		
Working diameter of the through tube		50 mm	63 mm	80 mm
Detection level	Fe	≤ Ø 0.6 mm	≤ Ø 0.7 mm	≤ Ø 0.8 mm
	NoFe	≤ Ø 0.8 mm	≤ Ø 1.0 mm	≤ Ø 1.2 mm
	St/st	≤ Ø 1.0 mm	≤ Ø 1.2 mm	≤ Ø 1.5 mm
Control panel		HMI touch screen		
Memory function		For 100 different products		
Type of control panel cover		Made of polycarbonate (optionally in stainless steel)		
Pollution detection signaling		Optical and acoustic alarm		
Standard working height		1030 mm (+/- 50 mm)		
Power		230 V		
Working temperature		0-45°C		

APPLICATION

- liquid meat products,
- melted cheeses,
- salads,
- fish pastes, egg pastes, etc.,
- stuffings,
- spaghetti sauces,
- jams.

SPECIFICATION

- Pneumatic repeller based on a three-way separation ball valve.
- The system rejects only a small amount of product along with pollution.
- Thrower response time - 1s.
- Frame structure for adaptation in the process production.
- Easy and quick system of connecting pipes on clamps quick assembly.
- Easy access to all target items keeping clean.
- Very high sensitivity and work stability.
- Easy-to-read touchscreen.
- Intuitive operation.
- Optical-acoustic alarm, NO/NC output to stopping another machine or conveyor belt.
- Detects all types of metal such as copper iron, aluminum, stainless steel, etc.
- USB output for reading and archiving data.
- Detection history, date and time.
- Menu in Polish and English as standard or optionally in another language indicated by customer.

WHAT MAKES OUR DETECTORS DIFFERENT

- 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.

SYSTEM FUNCTIONS

- Password protected access levels.
- Memory function for testing 100 different ones products.
- Automatic learning of the test product.
- Automatic analysis of the external background.
- Automatic validation enforcement system detection.
- Detection analysis graph.

"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).

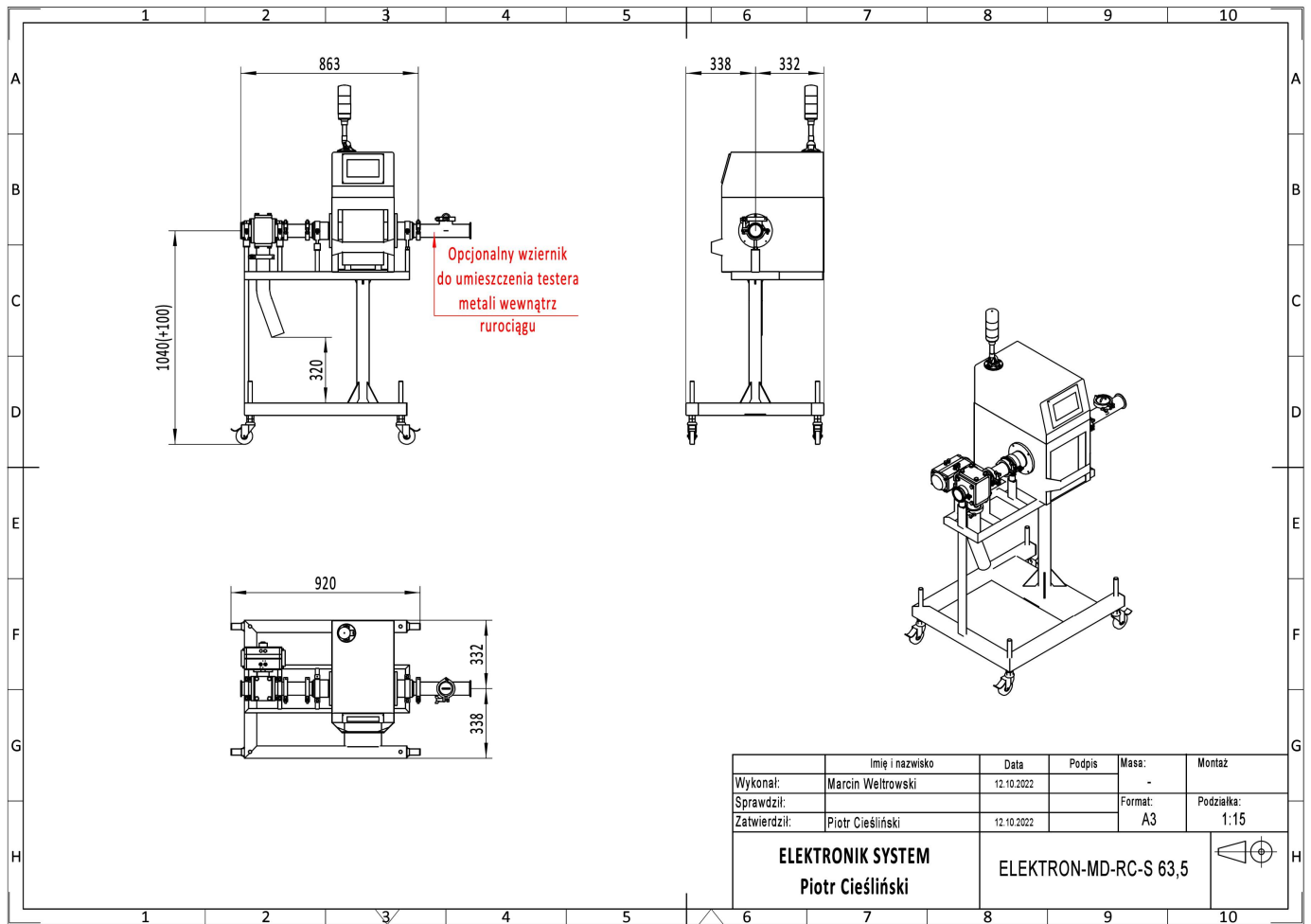
AUTO LEARNING SYSTEM

The **ELEKTRON-MD** series of detectors has a unique the self-learning system ticked in other detectors in passing. 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.

TECHNICAL DRAWING OF ELEKTRON-MD-RC-S-63.5



OUR REALIZATIONS

