

**ELEKTRONIK SYSTEM**

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## TUBE GRAVITY METAL DETECTOR

- Tubular gravity metal detector is designed for testing fine, loose, non-caking products tested in the process gravity.
- The design of the device can be equipped with fixings for mounting on height, and the control panel can be carried out at a distance of e.g. 10 m.
- The internal insert of the passage can be optionally removable to keep the rest items were easy to clean.
- The detector also finds its use for testing plastic pellets for shielding purposes plastic injection molds.



Model		<b>ELEKTRON-MD</b>				
Working diameter of the through pipe [mm]		50	75	100	150	200
Detection level [mm]	Fe	≤ Ø 0,6	≤ Ø 0,7	≤ Ø 0,8	≤ Ø 1,0	≤ Ø 1,2
	NoFe	≤ Ø 0,8	≤ Ø 1,0	≤ Ø 1,2	≤ Ø 1,5	≤ Ø 2,0
	St/st	≤ Ø 1,0	≤ Ø 1,2	≤ Ø 1,5	≤ Ø 2,0	≤ Ø 2,5
Screen		Touch				
Control panel		HMI touch screen (analog buttons optional)				
memory function		for 100 different products				
Type of control panel cover		Made of polycarbonate (optionally made of stainless steel)				
Pollution detection signaling		Optical-acoustic alarm, NO/NC				
Power		230V				
Power input		150W				
Working temperature		0-45°C				
Working humidity		80% non-condensed water vapor				

## SPECIFICATION

- Easy-to-read touchscreen.
- Optical-acoustic alarm, NO/NC output to stopping another machine or conveyor belt.
- Detects metals such as iron, copper, aluminum stainless steel.
- Automatic separator.
- Working pressure of the separator 5-7 Atm.
- USB output for reading and archiving data.
- Very high sensitivity and work stability.
- Intuitive operation.
- Detection history, date and time.
- Menu in Polish and English as standard or optionally in another language indicated by customer.

## "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).

## 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.

## APPLICATION

- cereal grains and cereal products,
- fresh and frozen vegetables and fruits,
- spices,
- coffee,
- sugar, salt,
- dried mushrooms,
- small sweets.

## 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.

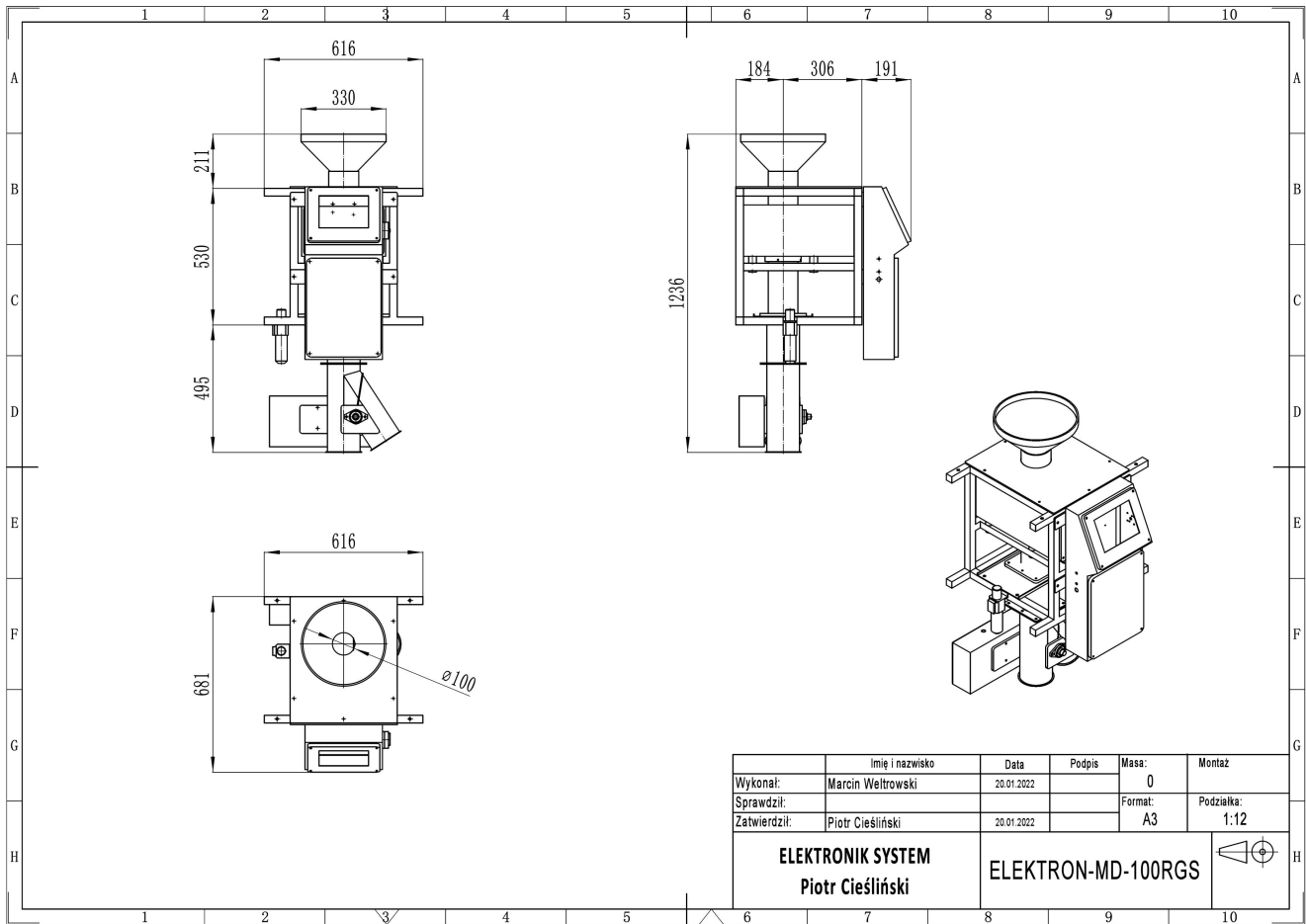
## AUTO LEARNING SYSTEM

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.

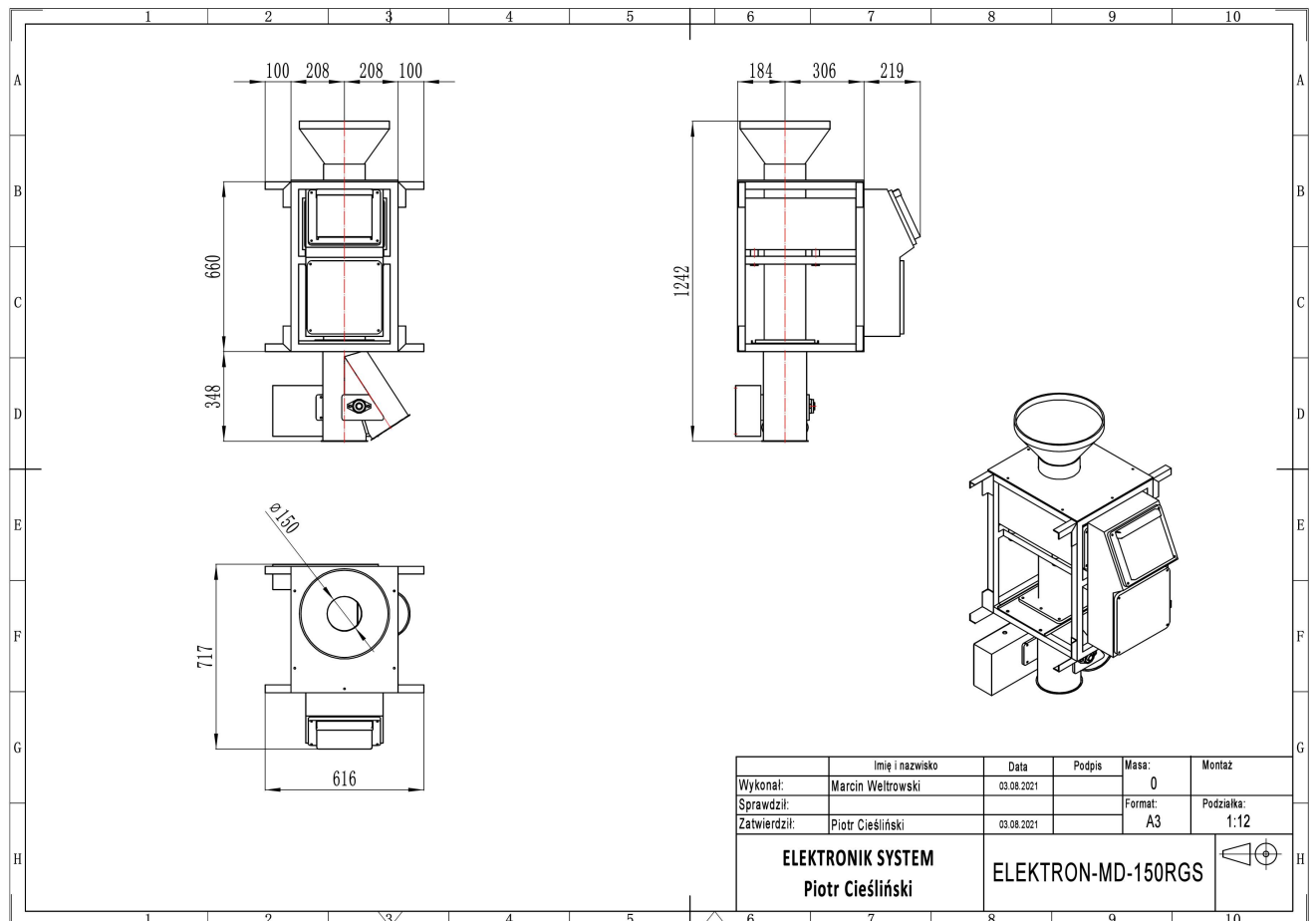
## AUTOCALIBRATION SYSTEM

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.

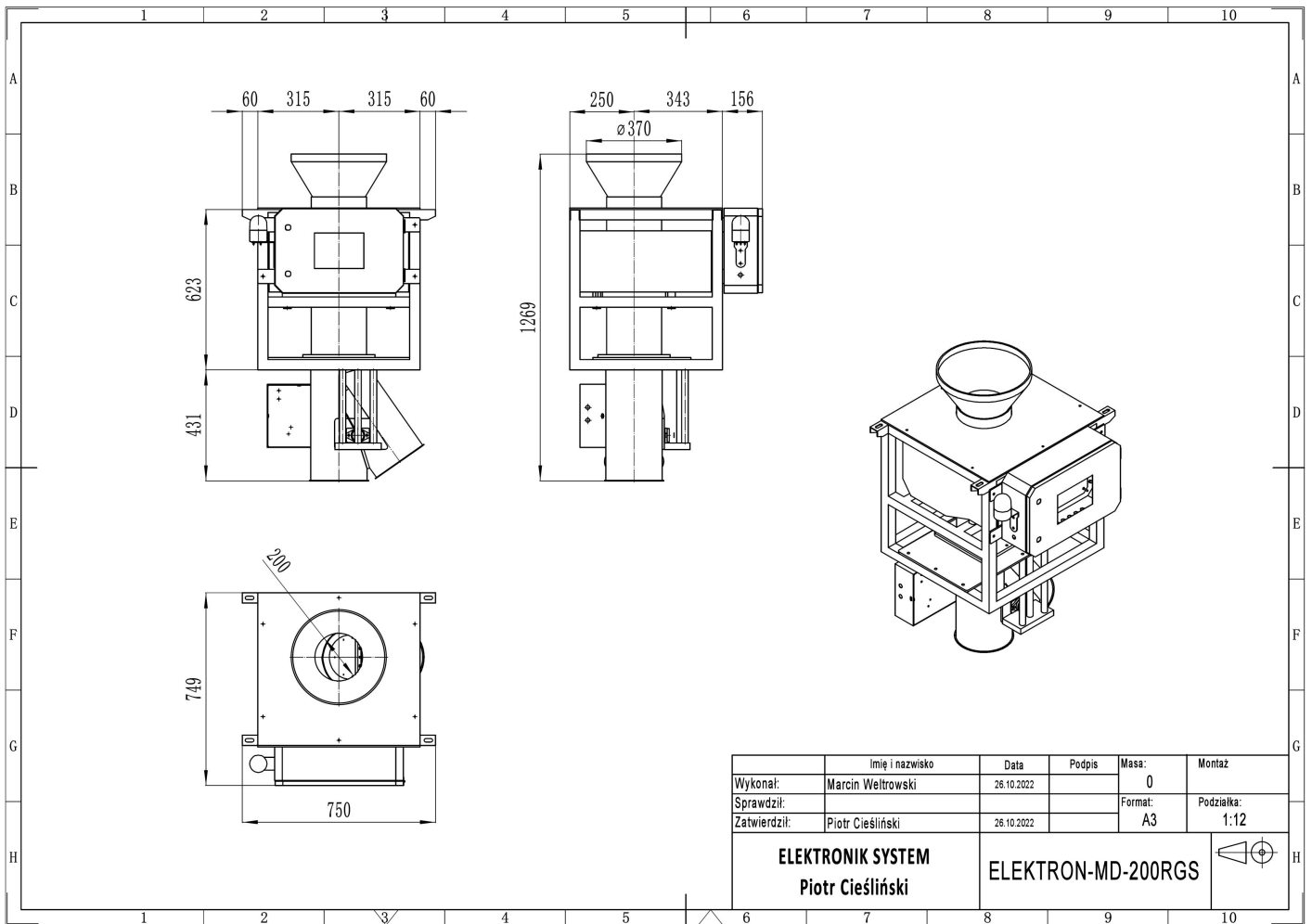
# TECHNICAL DRAWING ELEKTRON-MD-100RGS



# TECHNICAL DRAWING ELEKTRON-MD-150RGS



# TECHNICAL DRAWING ELEKTRON-MD-200RGS



## OUR REALIZATIONS

