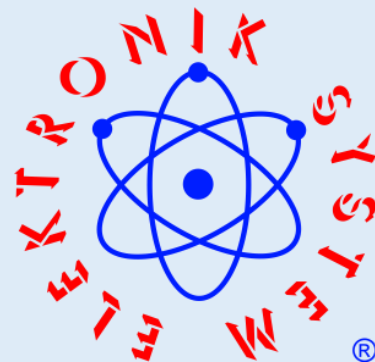


TUBE GRAVITY METAL DETECTOR

ELEKTRON-MD-RG-S

FOR SMALL LOOSE PRODUCTS

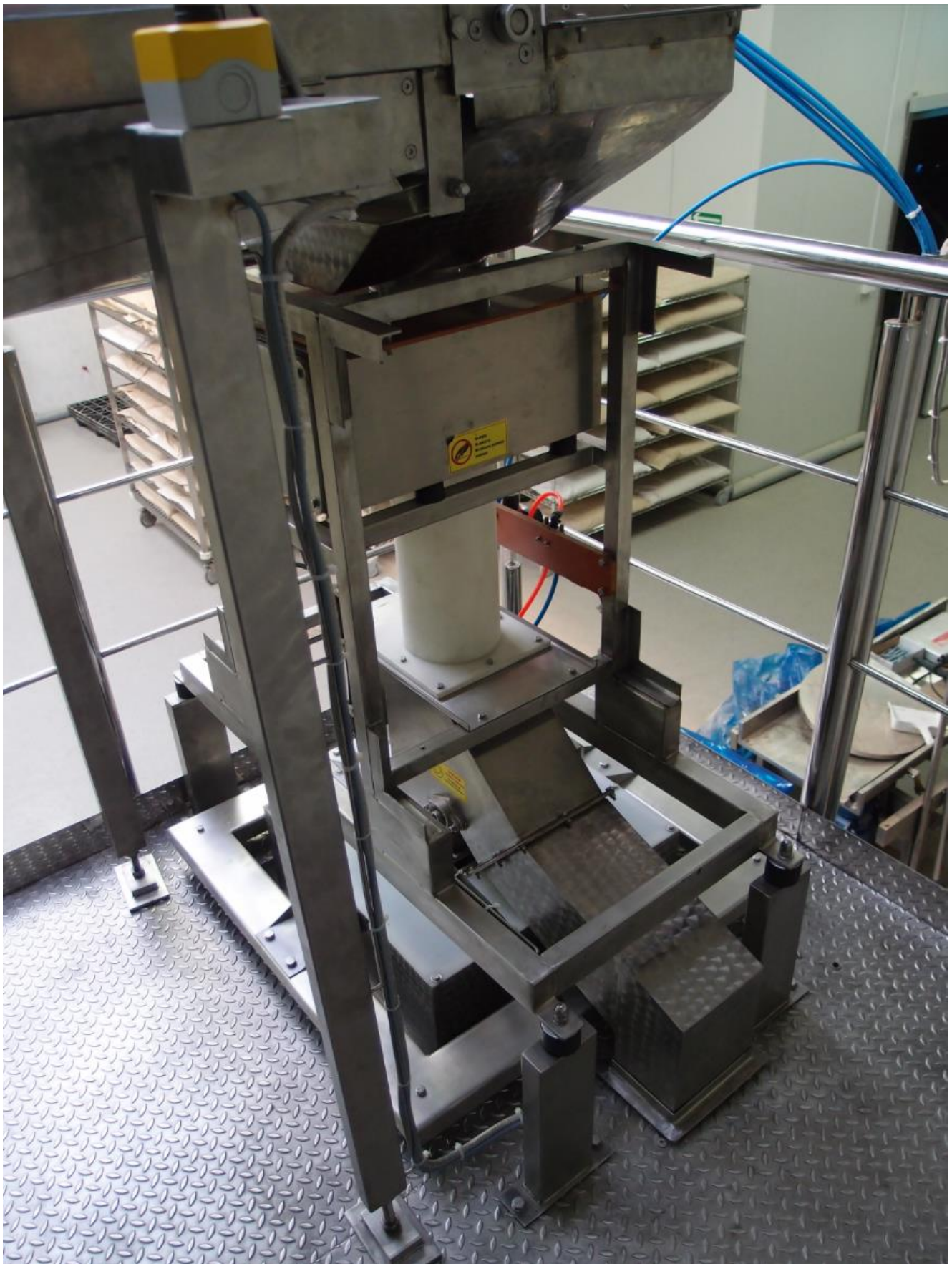


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APPLICATION

ELEKTRON-MD-RG-5 is intended for testing fine, loose (non-lumpy, non-frothing) products tested in the gravity process, mainly for the food and pharmaceutical industries.

MAIN FEATURES

- Very high sensitivity and stability of work.
- Detects all types of metal such as Fe, Cu, Al, SUS, KO etc.
- Easy and user-friendly operation, quick change of operating parameters.
- Automatic learning of the test product.
- Easy access to all equipment for maintenance.
- Large and easy to read LCD display.
- Menu in Polish and English (standard).
- Menu in German, Russian, Italian, French, Spanish, Turkish and Arabic (optional).
- Memory function for testing 100 different products.
- Easy and friendly operation and quick change of new operating parameters.
- History of detection, analysis of tested products, date and time.
- USB output for data reading and archiving.
- System level password protected.
- Automatic detection correctness enforcement system.

WHAT MAKES US STAND OUT?

The **ELEKTRON-MD** series of detectors has a system that is unique in other detectors contactless auto-learning. The self-learning system analyzes the tested product and saves detection parameters (e.g. product influence and background automatically). By controlling the conveyor, the detector automatically moves the product through the probe window detecting forward and backward until the completion of learning. The solution is to facilitate help with heavy products. As a result, learning is much more accurate without interruption a also the level of detection and stability of the metal detector operation.

Our metal detectors have an auto-calibration system, thanks equipment on non-service inspection decks. Detection system it oscillates precisely at the tested frequency, it adjusts the variables itself values. The management system is designed to withstand every shutdown the detector from the network automatically performed a test and calibration for about 15 minutes system after restarting the computer.

Our metal detectors can be equipped with unparalleled in other detectors, the „**FROST**” **system** ❄️ with an integrated intelligent heating and thermostat system, inside controls, internal controls and electronic circuits against moisture chill. This is the only protection against extreme temperatures during installation and prevents the absorption of moisture inside (for example, cold washing machine, hot washing water). Machine operation in a cold store and with a frozen stand.

YOUR BENEFITS

- Warranty and post-warranty service within 24 hours.
- Lifetime warranty on probes (without electronics).
- Technical support by phone or e-mail.
- Publicly available spare parts from well-known and reputable companies.
- Repair and modernization of SEK in accordance with the requirements and expectations of our customers.
- Reactivation and improvement of our detectives, even the oldest ones, for a generation.
- Consultation and training.
- Periodic inspections.
- Compliance with HACCP, CE, IFS and NEC standards.

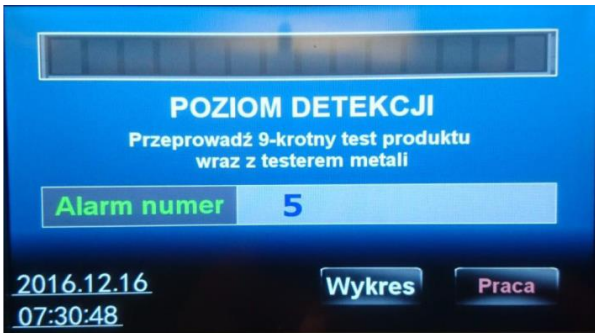
SYSTEM FUNCTIONS



Autocalibration system



Self-learning system



Automatic detection enforcement system



Detection menu



Detection analysis graph



Clear parameter setting system

L.p.	Początek	Koniec	Nr. Prod.	Ilość Prod.
1	2020-04-15 11:52:31	2020-04-15 11:54:53	0	0

History of detection

Nr.	Data	Czas	Produkt
45	20/04/08	09:45:35	0
44	20/04/08	09:45:33	0
43	20/04/08	09:45:30	0
42	20/04/08	09:45:28	0
41	20/04/08	09:45:25	0
40	20/04/08	09:45:22	0

Alarm history



PARAMETERS

Series		ELEKTRON-MD				
Working diameter of the through tube		50 mm	75 mm	100 mm	150 mm	200 mm
Detection level	Fe	≤ Ø 0,6 mm	≤ Ø 0,7 mm	≤ Ø 0,8 mm	≤ Ø 1,0 mm	≤ Ø 1,2 mm
	NoFe	≤ Ø 0,8 mm	≤ Ø 1,0 mm	≤ Ø 1,2 mm	≤ Ø 1,5 mm	≤ Ø 2,0 mm
	St/st	≤ Ø 1,0 mm	≤ Ø 1,2 mm	≤ Ø 1,5 mm	≤ Ø 2,0 mm	≤ Ø 2,5 mm
Display		Touch				
Control panel		HMI touch screen (optional buttons analogy)				
Memory function		For 100 different products				
Type of control panel cover		From polycarbonate (optional stainless steel)				
Signaling of contamination detection		Optical and acoustic alarm, NO/NC				
Power		230 V				
Power consumed		150 W				
Working temperature		0-45°C				
Working humidity		80% non-condensing water vapor				

