ELEKTRONIK SYSTEM
Piotr Cieśliński
ul. Ustronna 14
89-606 Charzykowy

+48 608 34 34 34
elektron@metaldetektor.pl

I LAMP X-RAY SCANNER ELEKTRON-SXRF-1630I

➢ The X-Ray scanner is designed for thorough examination products in a standing position packed in bottles, jars with a metal cap, tall cans.

➢ High level of detection and stability work when scanning products delivered linearly and which is unprecedented falling drifting.

➢ Single beam scanning technology the product with the z-directed lamp side to the test product in a standing position.

➢ The device has been equipped with a fast pneumatic separator.

Model	ELEKTRON-SXRF
Maximum height of the test product	300 mm
Maximum width of the test product	160 mm
X-ray lamp	380-480W/ 120kV
The smallest possible detectable testers	St/st ball from 0.5 mm, wire from 0.3x2 mm Glass/Ceramic ball from 1.5 mm
Belt speed adjustable in the range	10-60m/min
Operating system	Windows 7
communication ports	LAN port, USB port
Product management	Automatic recording of the parameters of the tested product
Image management	Automatic image saving and analysis
display	17" touch screen
Cooling	PFANNENBERG industrial air conditioner
Radiation protection	Protective tunnel and security system
External radiation	<0.5µSu/h
Working temperature	from -10˚C to 40˚C
Working humidity	30-90% non-condensing water vapor
Power	3.5 kW
Tightness class	IP66
Air pressure	0.8Mpa
Housing material	Glass-blasted stainless steel

MAIN FEATURES

- 24/7 remote technical support regardless of its location.
- The touch screen enables easy operation and management of functions (possibility to specify manual parameter settings, which guarantees the highest level of detection).
- Detection of glass in glass (bottles, jars) and metals in metal packaging (cans).
- Smooth management of each detection zone to improve the level and quality of scanning.
- Full range product inspection possible.
- Intuitive and very simple operation of the device.
- The highest possible level of detection and unprecedented stability of work when scanning products of various shapes entering irregularly and even drifting.

SYSTEM FUNCTIONS

- Two levels of access to the program protected by a password.
- The operator has the ability to fully adjust the settings.
- Detection of defective products with damage (deformed product, crumpled can, missing or defective product).
- Possibility of cooperation with any separator.
- System of automatic diagnostics and security control (detection of open inspection door on the device and immediately stop the device and turn it off X-ray lamp radiation).

"FROST" SYSTEM

The X-Ray scanner can be equipped with an unprecedented **system "FROST"** with built-in intelligent heating system and thermostat, inside the panel which protects the internal electronics from moisture and cold. It is the only protection against rapid temperature changes during washing and protects against inward absorption of moisture (e.g. a cold machine being washed with hot water).

LIST OF COMPONENTS

FUNCTION	NAME	PRODUCER
X-Ray source	X-Ray generator	VJ USA
X-Ray receiver	X-Ray detector	DT FINLANDIA
Device management	17 "touch monitor	iEi
Data processing	Industrial computer	TANK 820
Temperature and humidity control	Air conditioner	PFANNENBERG
Conveyor belt drive	Gear motor	ORIENTAL MOTOR
Speed regulation	Inverter	YASKAWA/OMRON
Electric protection	Miniature circuit breakers	SCHNEIDER ELECTRIC /ABB
Connection between devices	Military connectors	PLT
Safety management	Limit switches	OMRON
Automation management	PLC driver	OMRON
Warning information	Optical-acoustic indicator	SCHNEIDER ELECTRIC