



ELEKTRONIK SYSTEM

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MINI X-RAY SCANNER ELEKTRON-SXRF-1820 2820

➤ It is designed to test product in cardboard and plastic packages, PET, PE, vacuum, metallized, aluminum, glass, in bottles, in low jars with a metal nut and in metal flat cans.

➤ High vigilance and work stability- the highest achievable at the highest radiation penetration through product.

➤ Work safety- radiation is less than 1 microsievert thanks why the device meets European standards CE as well as the American FDA.



Model	ELEKTRON-SXRF 1820 2820
X-ray lamp	MAX. 65kV, 150W
Detector	0,4mm
Maximum product height	150mm
Maximum product width	193mm/ 290mm
Maximum belt load	10kg
Tape speed	Adjustable in the range of 10-80 m/min
Connection	LAN port, USB port
Product management	Automatic recording of the parameters of the tested product
Image management	Automatic image saving and analysis
Parameter adjustment	Automatic self-learning
display	15" touch screen
Operating system	windows
Cooling	Industrial air conditioner
Radiation protection	Protective curtains
External radiation	< 1μSu/h
Working temperature	from -10°C to 40°C
Working humidity	30-90% non-condensing water vapor
Supply voltage	220V ± 10%
Tightness class	IP65
Machine cleaning level	Easy
Standard device height	800 + 100mm
Housing material	Glass-blasted stainless steel

MAIN FEATURES

- Touch screen - enables easy operation and management of functions (possibility of manual change of settings).
- High level of detection and working stability of operation when scanning served linear and drifting products.
- Detection of glass in glass (bottles, jars) and metals in metal packaging (cans).
- Smooth management of each detection zone increasing the level and quality of scanning.
- Full-range, multi-layer product control system.
- Intuitive operation of the device.

SYSTEM FUNCTIONS

- Password protected system on several levels.
- Ability to change manual settings.
- Detection of defective products with damage (deformed product, crumpled can, no product or defective product).
- Built-in weight controller- X-Ray scanner eliminates products with incorrect weight as low as 1-5 grams depending on the type of product.
- 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

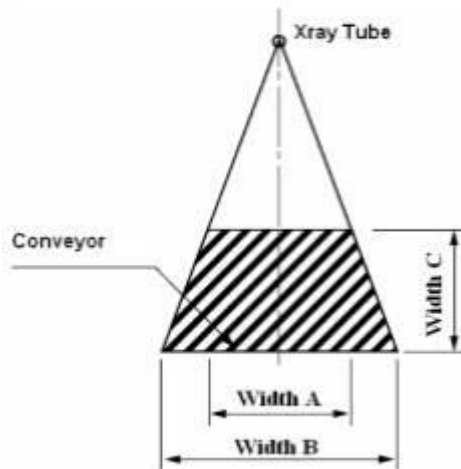
The X-Ray scanner can be equipped with an unparalleled in other devices, the **"FROST" system** with a built-in intelligent heating and thermostat system, inside the control panel, which protects the internal electronics against moisture and cold. This is the only protection against sudden temperature changes when washing cold machines with hot water, this system prevents moisture absorption inside closed chambers with electronics and electrics. "FROST" is irreplaceable especially in the meat and fish industry, and especially for frozen food.

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	TAI WAN
Data processing	Industrial computer	ADVANTEC
Temperature and wetness control	Air conditioner	ENVICOOL
Conveyor belt drive	Engine with gear	INOVANCE
Speed regulation	Engine controller	INOVANCE
Electric protection	Miniature circuit breakers	SCHNEIDER ELECTRIC /ABB
Connection between devices	Military connectors	PLT
Safety management	Limit switches	OMRON
Automation management	PLC driver	INOVANCE
Warning information	Optical-acoustic signaller	WERMA

LAMP SETTINGS SCHEME

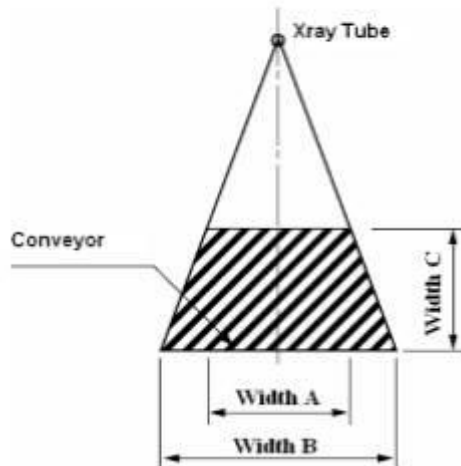
ELEKTRON-SXRF-1820



A	118mm
B	178mm
C	150mm

Product height	Product width
0cm	178mm
1cm	174mm
2cm	170mm
3cm	166mm
4cm	162mm
5cm	158mm
6cm	154mm
7cm	150mm
8cm	146mm
9cm	142mm
10cm	138mm
11cm	134mm
12cm	130mm
13cm	126mm
14cm	122mm
15cm	118mm

ELEKTRON-SXRF-2820



A	178mm
B	267mm
C	150mm

Product height	Product width
0cm	267mm
1cm	261mm
2cm	255mm
3cm	249mm
4cm	243mm
5cm	237mm
6cm	231mm
7cm	225mm
8cm	219mm
9cm	213mm
10cm	208mm
11cm	202mm
12cm	196mm
13cm	190mm
14cm	184mm
15cm	178mm

ELEKTRON-SXRF-1820/2820 X-RAY SCANNER WITH SEPARATOR



It is recommended to equip the ELEKTRON-SXRF-1820/2820 X-Ray scanner with an automatic separator.



Pusher with roller pallet.



Pusher with lockable container.

TECHNICAL DRAWINGS

