



ELEKTRONIK SYSTEM

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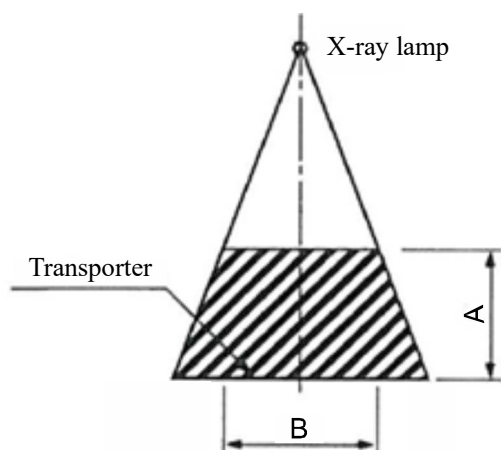
I LAMP X-RAY SCANNER ELEKTRON-4080 ASG

- The scanner is particularly dedicated to the examination of all loose products (coffee, tea, herbs, breadcrumbs) or for very small fruits (blueberries, currants) or small vegetables (peas, maize grain)
- Single beam scanning technology product with a single directed lamp from top to bottom.
- **ASG** (air shotgun) separator with air nozzles.



Model	ELEKTRON-SXRF	
Specification	4080, 5080, 6080	
Maximum height of the test product	220 mm, 250mm, 300mm	
Maximum width of the test product	400 mm, 500mm, 600mm	
X-ray lamp	MAX. 80 kV, 350W	
The smallest possible detectable testers	St/st ball from 0.3 mm, wire from 0.2x2 mm Glass/Ceramic ball from 1.0 mm	
Belt speed adjustable in the range	0-60 m/min	10-120 m/min
Recoil mode	Air separator composed of 32 independent channel jets. Dividable into 4/2/1 channels.	Air separator composed of 48 independent channel jets. Dividable into 4/2/1 channels.
Connection	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	< 1μSu/h	
Working temperature	from -10°C to 40°C	
Working humidity	30-90% non-condensing water vapor	
Supply voltage	230VAC	
Power consumption	1500W	
Tightness class	IP66	
Air pressure	0.8Mpa	
Housing material	Glass-blasted stainless steel	

SELECTING AN X-RAY SCANNER



We select the type and type of X-Ray scanner accordingly with customer requirements. Product dimension must be inscribed in the detection cone according to the table below.

Model	SXRF-4080	SXRF-5080	SXRF-6080
Product height (A)	Product width (B)		
0 mm	400 mm	500 mm	600 mm
10 mm	390 mm	489 mm	589 mm
20 mm	380 mm	477 mm	576 mm
30 mm	371 mm	466 mm	564 mm
40 mm	361 mm	455 mm	552 mm
50 mm	351 mm	443 mm	540 mm
60 mm	341 mm	432 mm	528 mm
70 mm	331 mm	420 mm	515 mm
80 mm	322 mm	409 mm	503 mm
90 mm	312 mm	398 mm	490 mm
100 mm	302 mm	386 mm	478 mm
110 mm	292 mm	375 mm	466 mm
120 mm	282 mm	363 mm	454 mm
130 mm	272 mm	352 mm	441 mm
140 mm	263 mm	340 mm	429 mm
150 mm	253 mm	329 mm	417 mm
160 mm	244 mm	318 mm	405 mm
170 mm	234 mm	307 mm	393 mm
180 mm	224 mm	295 mm	380 mm
190 mm	214 mm	284 mm	368 mm
200 mm	204 mm	272 mm	356 mm
210 mm	194 mm	261 mm	344 mm
220 mm	185 mm	250 mm	331 mm
230 mm	-	239 mm	319 mm
240 mm	-	227 mm	307 mm
250 mm	-	216 mm	295 mm
260 mm	-	-	282 mm
280 mm	-	-	258 mm
300 mm	-	-	233 mm
350 mm	-	-	-
400 mm	-	-	-

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).
- Conveyor speed - 10-120m/min, adjustable depending on the specific product.
- 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.
- Automatic product auto learn system.
- 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).

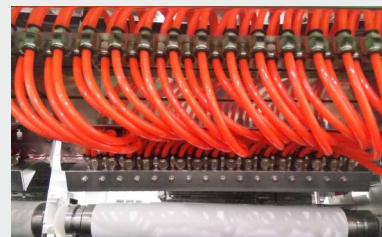
LIST OF COMPONENTS

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	DFI
Temperature and wetness control	Air conditioner	PFANNENBERG
Conveyor belt drive	Engine wiht gear	ORIENTAL MOTOR
Speed regulation	Engine controller	ORIENTAL MOTOR
Electric protection	Miniature circuit breakers	SCHNEIDER ELECTRIC /ABB
Connection between devices	Military connectors	PLT
Safety management	Limit switches	OMRON
Automation management	PLC driver	SCHNEIDER ELECTRIC
Warning information	Optical-acoustic signaller	WERMA

SEPARATOR TYPE

ASG (air shotgun) - separator with air nozzles

the X-Ray scanner divides the transport lane for 8 independent channels, with 34 air nozzles for precise rejection of foreign bodies with a small amount of product.



ELEKTRON-SXRF-FLAP TECHNICAL DRAWING

