X-RAY SCANNER ELEKTRON-SXRF-2480

➢ This is the only solution that allows examination of any products packed in metallised foils, aluminum trays, cans flat metal and products finished with a metal clip. Provides the highest possible detection level.

➢ A unique enabling solution quick disassembly of the conveyor belt even in 15 seconds, so we have efficient and fast cleaning the machine and disinfection.

➢ The X-Ray scanner meets the strictest standards and PAA and EURATOM requirements for work safety.

Model	ELEKTRON-SXRF-2480
Maximum height of the test product	160mm
Maximum width of the test product	240mm
X-ray lamp	Max. 80KV 150W, 210W, 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
Tape speed	Adjustable in the range of 10-60 m/min
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
Recoil type	Pneumatic separator
Radiation protection	Protective tunnel and security system
External radiation	< 1µSu/h
Working temperature	from 0˚C to 40˚C
Working humidity	30-90% non-condensing water vapor
Supply voltage	230VAC
Power consumption	1200W
Tightness class	IP65
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.
- Possibility of multi-layer and full-range inspection of the product.
- 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

- 2 system levels password protected.
- The operator has the ability to additionally 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).
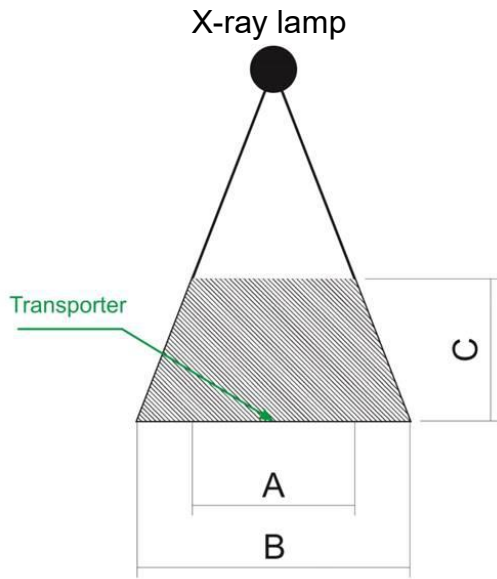
„FROST" SYSTEM

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	GERMANY
X-Ray receiver	X-Ray detector	DT FINLANDIA
Device management	17" touch monitor	TAI WAN
Data processing	Industrial computer	ADVANTEC TAI WAN
Temperature and humidity control	Air conditioner	ENVICOOL TAI WAN
Conveyor belt drive	Gear motor	HUICHUAN TAI WAN
Speed regulation	Inverter	HUICHUAN TAI WAN
Electric protection	Miniature circuit breakers	SCHNEIDER ELECTRIC /ABB
Connection between devices	Military connectors	PLT
Safety management	Limit switches	OMRON
Automation management	PLC driver	HUICHUAN TAI WAN
Warning information	Optical-acoustic indicator	WERMA GERMANY

SELECTING AN X-RAY SCANNER

X-ray lamp

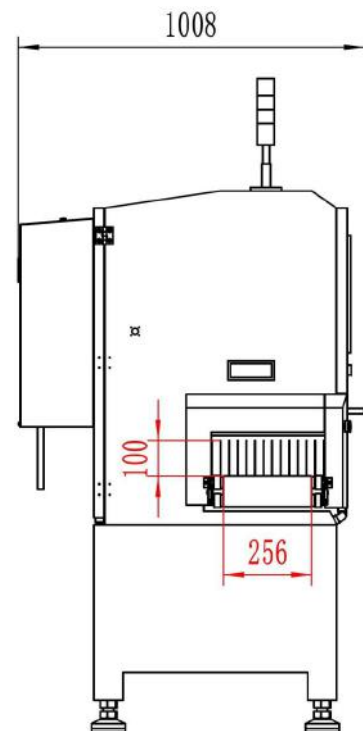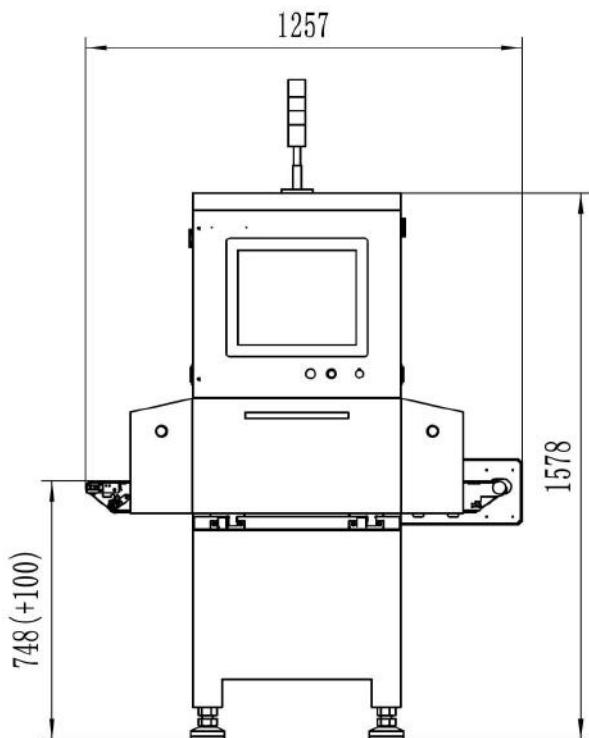Transporter

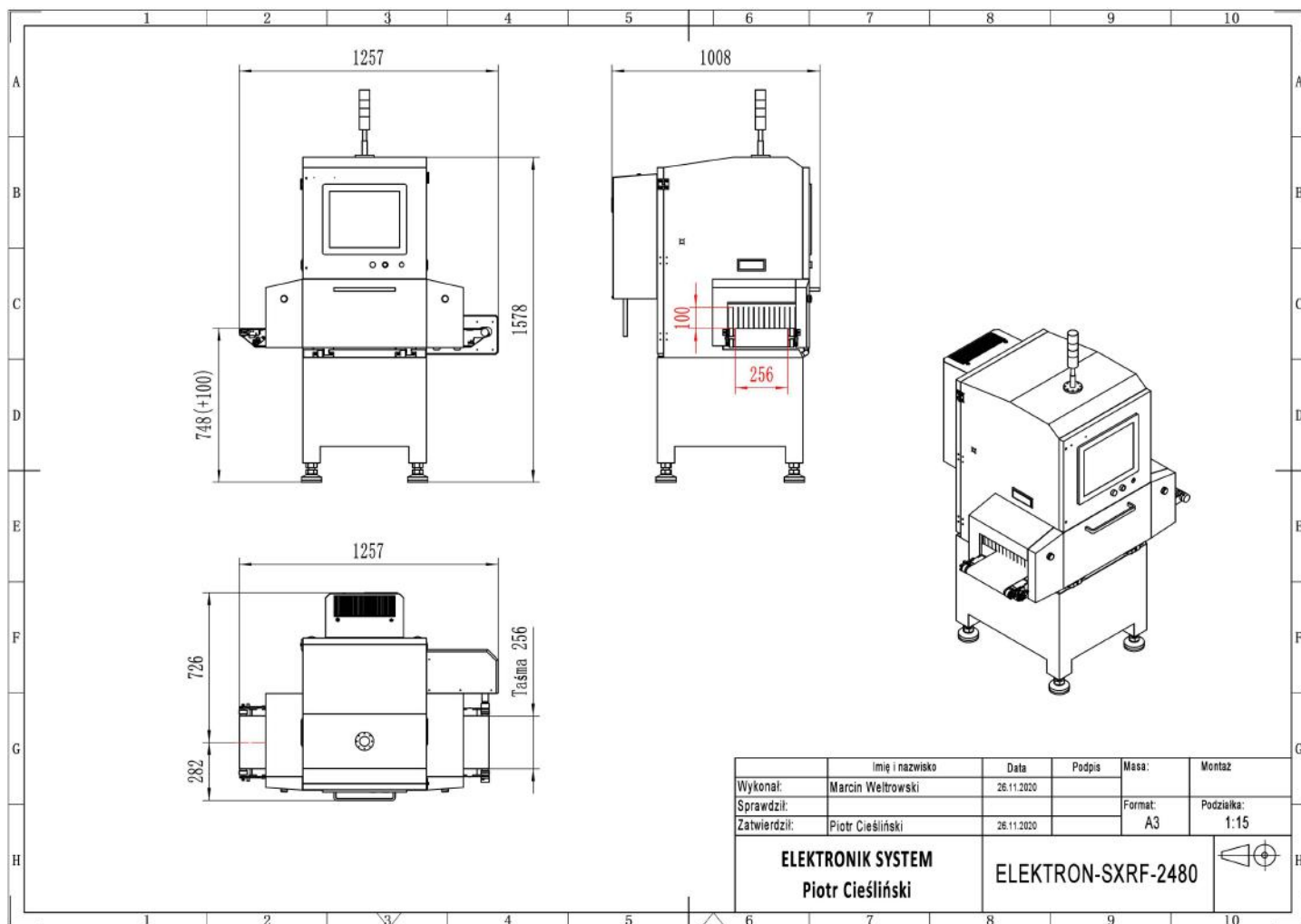|		
A	180 mm	
B	240 mm	
C	160 mm	

The type and type of the X-Ray scanner are selected according to the customer's requirements. The product dimension must be entered in the detection cone according to the table below.

Product height(A)	Product width (B)
0 mm	240 mm
10 mm	236 mm
20 mm	233 mm
30 mm	229 mm
40 mm	225 mm
50 mm	221 mm
60 mm	217 mm
70 mm	214 mm
80 mm	210 mm
90 mm	206 mm
100 mm	202 mm
110 mm	198 mm
120 mm	194 mm
130 mm	191 mm
140 mm	188 mm
150 mm	184 mm
160 mm	180 mm

ELEKTRON-SXRF-2480 X-RAY SCANNER DIMENSIONS

1257

1578

748 (+100)

1008

100

256

TECHNICAL DRAWINGS OF ELEKTRON-SXRF-2480

	Imię i nazwisko	Data	Podpis	Masa:	Montaż
Wykonał:	Marcin Weltrowski	26.11.2020			
Sprawdził:				Format:	Podziałka:
Zatwierdził:	Piotr Cieśliński	26.11.2020		A3	1:15

ELEKTRONIK SYSTEM
Piotr Cieśliński

ELEKTRON-SXRF-2480

3D TECHNICAL DRAWINGS OF ELEKTRON-SXRF-2480