Perkotek

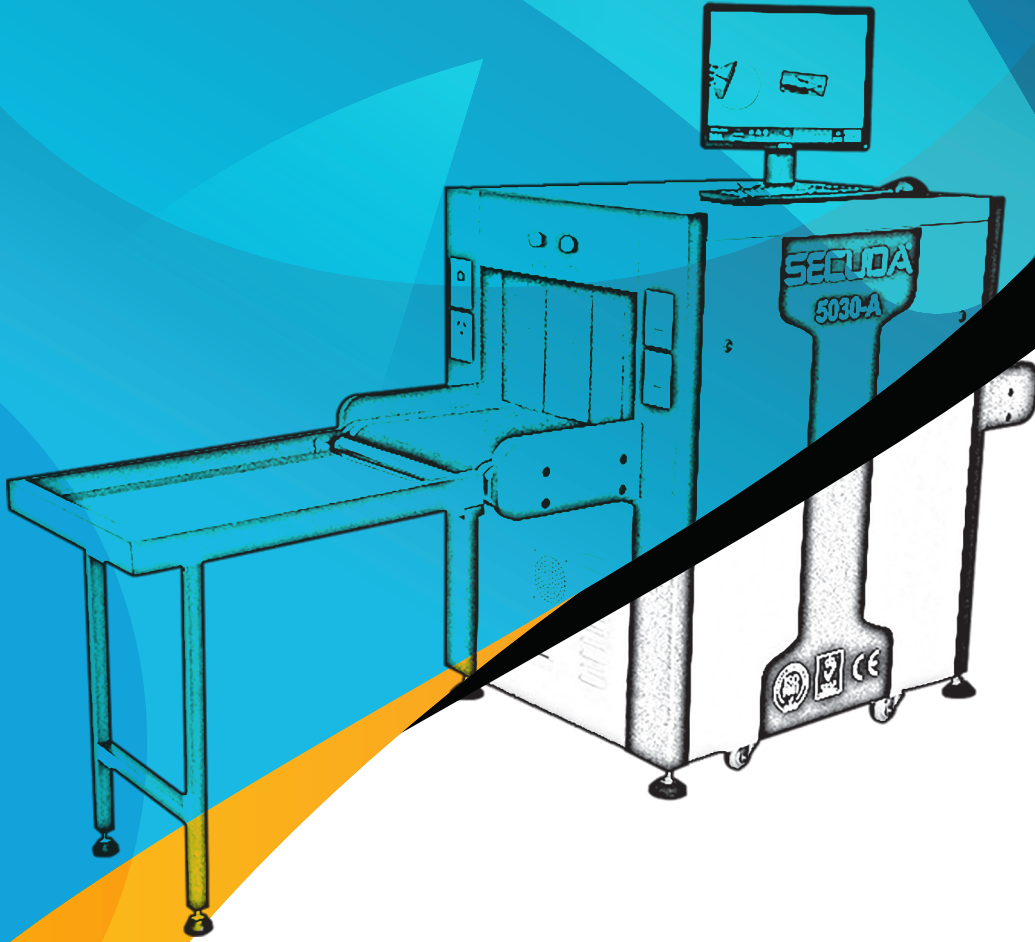*"Everything is Under Control"*

SECUDA®

5030A X-RAY DEVICE

PERKOTEK TEKNOLOJI A.S.

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SECUDA 5030A X-RAY DEVICE

Thanks to its high resolution feature , produced for precision searching ,and with a tunnel length of 500 mm x 300 mm, you can display the content images of bag, suitcase, package ,envelope and SECUDA 5030A X-Ray machine is suitable for checking all kinds of passing baggage . By means of transmitting X Rays into the baggage , it immediately reflects dangerous and threatening factors on the screen. It seperates Organic -inorganic metals and shows them in different colors.

It can show the inside of even 14 mm thickness steel bag without any need to open it. XRAY Generator surroundings and cabin interior surfaces are insulated with lead plates against radiation leakage. The black curtains are made of lead mixture which are located in the direction of entry and exit of the luggage and protects the health of the Xray device using operator and passing people from negative factors .It has been manufactured according to the standards of Turkey Atomic Energy Agency and received the accreditation.

Technicial Specifications

General Definitions

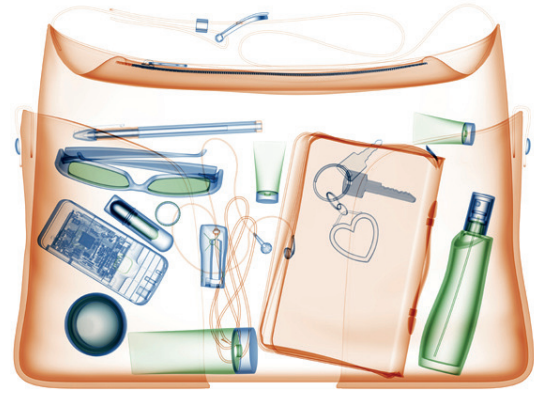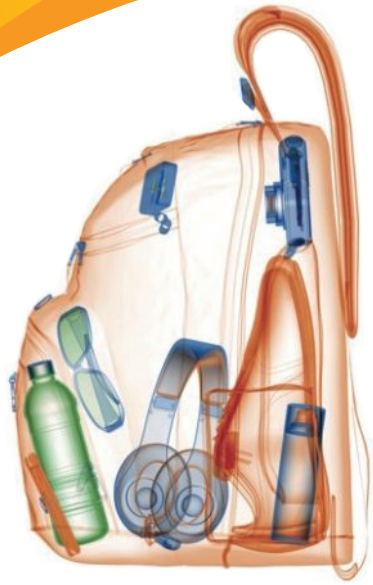|	
Tunnel Size	500 mm (Width) x 300 mm (Height)
Weight	400 kg
Conveyor Belt Speed	0.22m / sec
Conveyor Maximum Load	170 kg
Dose Per Examination	<2.9µGy / hour
Resolution	<0.1 mm metal wire
Penetration	14 mm steel
Film Security	Guaranteed ISO1600 Film
X-ray Leakage	<0.05 µGy / hour (5 cm from the external housing)

X-Ray Generator

Energy	Single Energy
Direct Production	Up
Angle Production	80 degrees
Anode Voltage	80 Kv
Anode Power	0.4 Up
Cooling / Duty time (Duty cycle)	Oil Cooling / 100%

Display System

X-ray Sensor	L-shaped photodiode array (mono energy), 12bit depth
Monitor	High definition color, LCD compatible, 19inch Philips brand
Image processing	Edge enhancement, image enhancement, image illumination, darkening reduction, image return , image retrieval.
Image Gray Level	4096
Image Maximum Resolution	1024 x 1280 pixels.
Image processing	24bit real time processing.
Software	It can display organic and inorganic materials in different colors with its colored software.

Usage Areas

- Factories
- Prisons
- Business centers
- Dining Halls
- Airports
- Logistics Areas
- Academies
- Gyms
- Public institutions
- Police Stations
- Hotels
- Activity Areas
- Stadiums
- Residences
- Military Areas
- Fair Entries
- Smart Buildings
- Dams
- Shopping malls
- Public Transport Stations

ORGANIC

Atomic numbers from 1 to 10 are called organic compounds and are shown in orange. Examples of organic compounds; paper, textiles, wood and water.

INORGANIC

:Those with an atomic number greater than 18 are referred to as inorganic and indicated with blue. Examples of inorganic substances are titanium, chromium, iron, steel, tin, lead, copper, silver, gold.

MIXTURE

An atomic number between 10 and 18 is called a mixture and is shown in green.

Technical Drawing

2250
9400
1200
660
1040
800