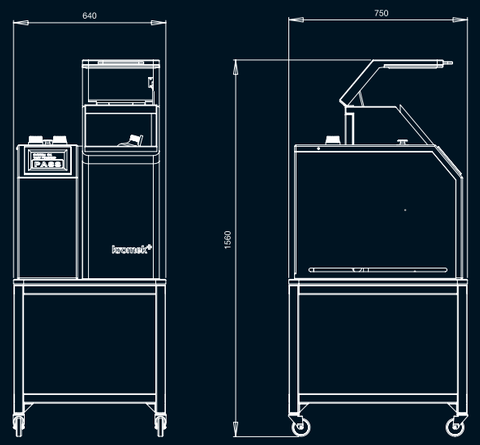
Specifications

- **Maximum Bottle Dimensions**
  From 20mm – 100mm diameter
  From 50mm – 300mm high
- **Bottle shape**
  Any
- **Liquid Volume**
  80 – 2000ml
- **Types of bottles**
  Glass, plastic, metal and cardboard.
  Labels and surface finish do not affect accuracy of detection
- **Power Requirement**
  Voltage: 110V (60Hz) / 240V (50Hz)
  Auto sensing
  Current: 13 amp single phase
- **Safety**
  CE Marked
  X-ray emission: <0.1mrem at 10cm
  Designed to comply with US Federal Standards
- **Operating Environment**
  Temperature: 0°C to 40°C
  Relative humidity: 5% to 85%
  non condensing.



kromek
detect image identify

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Bottle Scanner: Identifier

The system scans and analyses the contents of any container type including metal, coloured and opaque.
The results are available in less than 20 seconds.

The Kromek Identifier

The Kromek Identifier is a desktop inspection system for identifying liquid and gel based threats in any container up to 2 litres.

The system provides an easy and efficient screening solution for liquids and gels at security checkpoints in airports, ports, buildings and facilities.

The system uses the leading edge multispectral x-ray technique to categorise the contents of a container into threat or benign items based on a database comprising an end-user specified list of threat materials.

The Kromek Identifier database contains the spectral signature of all internationally recognised threat materials and can be customised or upgraded at the point of use to meet the requirements of the customer or to take account of emerging threat materials.

The system works in parallel with existing x-ray scanning systems to identify threats and reduce false alarms whilst not impacting passenger throughput or can operate as a stand-alone liquid and gel screening system.

How the technology works

The system uses leading edge, multi-spectral x-ray techniques to categorise the item against a digital spectral threat database record and identify whether the item matches the database. The Identifier incorporates Kromek proprietary detector technology and material analysis algorithm to directly convert the multiple energy x-ray levels for comparison against the database and translate into a simple PASS/FAIL screen readout for the User.

The digital database can be easily upgraded to add new records or to modify existing records and can be tailored to specific customer requirements. This database is transferable between machines.

The system cycle time is under 20 seconds and there is no requirement for any sample preparation of the container to be tested, regardless of container type, size or shape.

Key features

Quick

- Accurate and simple operator decision-making process (less than 20 seconds).

Easy

- Easy to use, portable, non-invasive desktop unit
- No sample preparation or consumables required
- Minimal operator training required
- Minimal routine maintenance required.

Versatile

- Scans all container types regardless of container type, shape and including opaque and metallic containers, in volumes up to 2 litres
- Upgradable database to reflect new and emerging threats
- Comprehensive, transferable and updatable threat materials database.

Key Applications

- Security checkpoint screening at airports and ports.
- Security screening for critical facilities and buildings
- Security screening for events.