

The compact X-ray scanner with big detection capabilities

The very latest generation TR15 +Smart Scan cabinet scanner from Northern Services provides a new benchmark of threat detection and image management for compact cabinet scanners. At the heart of the TR15 +Smart Scan is a complete new software platform, managing the functionality and an intuitive user interface via a 22 inch touch screen monitor. The smart card login means the TR15 +Smart Scan can be configured to enable data collection of individual user sessions further enhancing the effectiveness of the operators.

With its small footprint low maintenance costs and a host of detection features, the TR15 +Smart Scan is the scanning solution of choice.

TR15 +Smart Scan

Mid Size Cabinet X-ray Scanner

High quality **digital camera** and enhanced X-ray generator delivers superior image quality for greater detection.

Image storage locally or onto an external hard drive or network for easy reference and verification.

Operators are **assigned a login**, management can map who is using the scanner and when.

One touch e mail function enables escalation of potential suspect images to security professionals.

Enhanced EPD™ software allows greater **recognition of "powder" threats.**



User friendly touch screen interface providing access to all enhancement tools enabling rapid image processing.

All user data, date, operator's login, name, session time, No of exposures made, log off time etc are captured in the Microsoft Access™ database.

3 point density alert, Operator can define the elements of a 'suspect devices' such as metal components e.g. detonators & batteries.

Compliance with Ionising Radiation Regulations 2017 (IRR17).

WIFI Ready (can be added as an optional extra)

High Definition imaging for the detection of IEDs, Powder Threats and Weapons sent via the mail.

Threat from suspect devices is not exclusive to any one sector, consequently over many years Northern Services has built an enviable reputation partnering with organisations as diverse as Government, Embassies, Global Banking, Pharmaceutical, Oil & Gas, Legal, Media, Facilities Management, Retail and many more.

Call Northern Services to understand how we can help protect you, your personnel and assets.

Features and Benefits

Feature	Benefit
Image Enhancement	
EPD™ Enhanced Powder Detection	Heightened ability to identify threats conveyed via powder based elements.
Digital camera and powerful generator	Hi resolution images with increase ability to detect.
Negative Image Function	Identity of high density materials. e.g. (metal) shown up white against a black background.
High Density Alert	Aids identification of materials such a plastic explosives.
Medium Density Alert	Identification of materials such as alloys & mild steel.
3 Point Density Alert	Elements of a 'suspect devices' metal components e.g. detonators & batteries are more easily defined.
Operating System	
Smart Card login	Designated access with record of all operator sessions.
Touch screen interface	Quickly selection of tools for rapid verification that objects are "Safe or Suspect."
Session data	Manage operator usage and record of suspect items.
Administrator Function	Levels of access and functionality can be set by Administrator.
Image Storage & Sharing	
Print/Export images	A hard copy library can be created as reference or images can be shared.
Automatic Image archiving	Cross reference and accelerated referral to security personnel
One Touch Email Function	Enables escalation process images to be shared across departments.

Product Specification

Image and Unit Performance

- Touch Screen LCB 22" Monitor
- Image Resolution 1910 x 1080 pixels
- Wire Resolution: 36AWG
- Steel Penetration: 3mm

X-ray Generator

- Anode Voltage 90kV

Operating Requirements & Environment

- Power Requirement: 240v/110v, 50/60Hz, 1000W
- Operating Temperature: 0 to +40°C
- Storage Temperature: -15°C to +50°C
- Relative Humidity: 85% non condensing
- Supplied with 1.5m power cable

Health & Safety and Compliance

- All Todd Research equipment complies with applicable International Health & Safety regulations
- Leakage dose at outer surface <1.0µSv/h as specified in Ionising Radiation Regulations 2017 (IRR17)
- Complies with European Directive 93/68/EEC
- Twin circuit electro-magnetic safety interlocks to BS EN 60204-1

Optional Extras

- WIFI Capability
- Inkjet Printer
- Monitor Stand
- Cabinet Test Piece (CTP)
- External Uninterrupted Power Supply (UPS)



General Dimensions – TR15 +Smart Scan

Cabinet

Height: 1504mm
 Width: 455mm
 Depth: 670mm
 Net Weight: 160kg

Image Area

Width: 409mm
 Depth: 547mm

Inspection Chamber

Height: 540mm
 Width: 448mm
 Depth: 586mm

Door Opening

Height: 535mm
 Width: 370mm