

Advanced multiview security with high volume capacity



TR Detector 70AMX

Reliable protection is more critical than ever as it is not always possible to predict what will arrive. The TR70AMX is the best way to safe-guard your business and workforce against the disruption, damage, injury, or even death that postal threats can cause.

Introducing an advanced technological system with superior image quality, explosives detection, network connectivity and configurability, while still maintaining a conventional footprint, the TR70AMX's advanced scanning instantly reveals any potential danger – so you'll always know what your packages contains, before you open them.



Features

- ▶ **NEW**
 - Multiview x-ray system using multi-scanners
- ▶ Dual view ensures greater accuracy and reduced need for re-scanning
- ▶ When you need instant threat detection including terrorist, chemical, biological and other related threats
- ▶ Full colour 19" TFT screen
- ▶ Materials Detection and discrimination as standard
- ▶ Optional Enhanced Powder detection
- ▶ TIP – enhanced technology to test operator and users

Benefits

- ▶ Network capability for remote diagnosis and image storage
 - ▶ You must have protection from bombs, weapons, drugs and other threats
 - ▶ Highest quality unit from a trusted source
 - ▶ Ideal for high volumes of mail, small packets and couriered mail
 - ▶ High Speed operation with accurate detection
 - ▶ Full training included in Full Maintenance Cover
-



TR70AMX Technical Specifications

Detection System

- Wire resolution: 41AWG guaranteed, 42AWG typical
- Steel penetration: 27mm guaranteed, 30mm typical
- Double L-shaped array: 1,152 detectors
- Beam orientation: Diagonal upwards and lateral

X-Ray Generator

- High frequency X-ray generator (30kHz, 500W)
- Anode voltage: 150kV

Inspection unit

- Dimensions: 2,680mm (L) x 1,900mm (W) x 1,300mm (H)
- Weight: 900kg
- Tunnel size: 605mm (W) x 410mm (H)
- Belt height: 680mm (adjustable)
- Belt speed: 0.2m/second
- Max belt load: 165kg
- System Power: single phase 230VAC or 110VAC +/- 10%; 50/60Hz +/- 3Hz monophase
- Duty cycle: 100%

Control unit

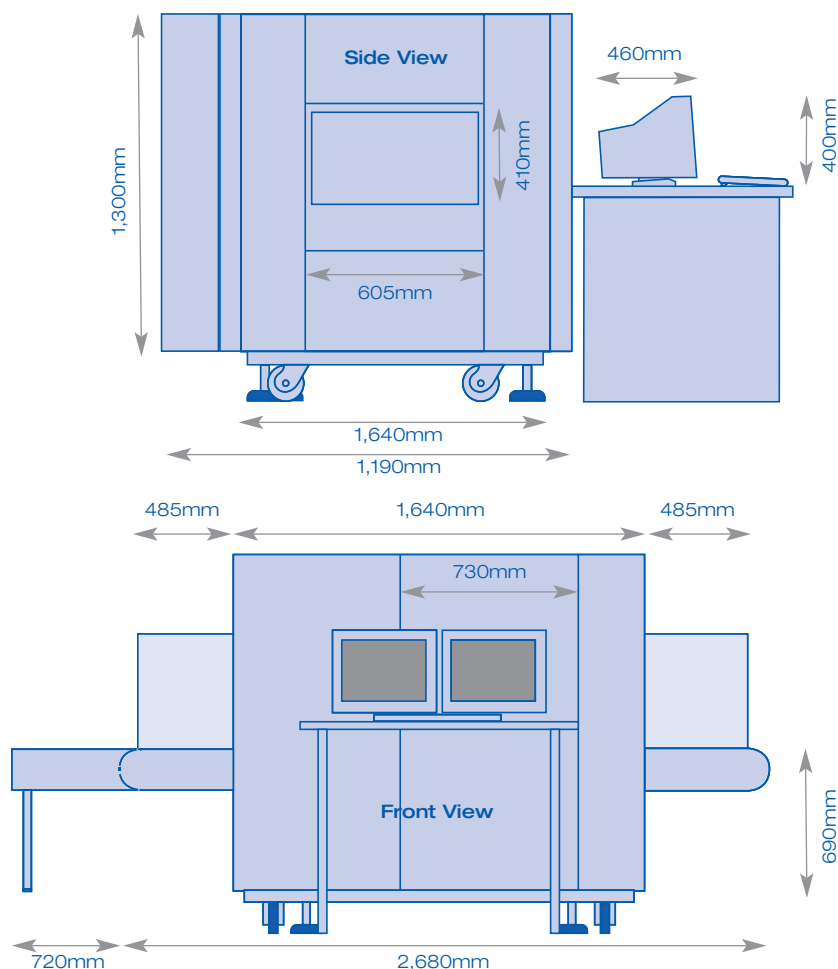
- Desk dimensions: 1,000mm (L) x 800mm (W) x 750mm (H)
- Weight: 30kg
- Switch on key – Belt movement buttons – Image processing buttons – Programmable buttons – Emergency push-button
- Pointer
- Monitor: 19" LCD (1280x1024 pixels)

Operating environment

- Operating temperature: 0°C – +40°C
- Storage temperature: -20°C – +60°C
- Relative humidity: 95% non-condensing
- Protection class: IP 22
- Noise level: < 60dB (A)

Standard features

- Multiple independent images with highest penetration and resolution
- Density threat alert
- Image archiving
- Session archiving
- Multi-energy technology
- Variable penetration
- "High penetration": optimum contrast in denser areas of the image using a dedicated key.
- "Low penetration": optimum contrast in less dense areas of the image using a dedicated key
- Optimum contrast: provides the selection of optimum contrast obtained through histogram equalization
- Edge enhancement: provides the enhancement of edges and wires on the image.
- Pseudo-color: this function assigns colors to different grayscale levels in the image to increase contrast between areas with similar absorption.
- Energy stripping: this function permits the visualization of a single material family or different combination of families on the color monitor.
- Contrast window: permits the expansion of gray levels within a window that can be positioned along the gray scale.
- Reverse image
- Continuous zoom up to 64X
- Rotozoom
- Image recall
- Session recall
- Tutorial
- Info: provides the visualization of a diagnostic page which can help operators evaluate system performance
- UPS



Optional

- Upgradeable Platform for LAGs detection and E.D.S. according to EU Standards
- TIP
- Net-Server
- AIMS
- Reverse
- Smart-card login
- Training
- Remote diagnostic
- Video printer
- STP test
- Operator mat
- Variable flow configuration
- Control desk
- Exit and entry rollers

Design Policy

Todd Research reserves the right to change specifications in the course of continuous improvement. Specifications are provided for reference only and actual equipment may differ slightly from the description given. Typical dimensions are within ±5% of nominal values.

Todd Research – safe in our hands

We are dedicated to providing essential threat protection to every organisation of every size.

We deliver appropriate, reliable and innovative security solutions – because we never forget that anything less could result in potentially severe or fatal consequences for your operation.

We constantly invest to fulfill future security needs. Fully compliant with all HSE and international safety standards, with Todd Research it's more than an investment in technology – it's an investment in total peace of mind.

Todd Research Limited,
1 Papworth Business Park,
Papworth Everard,
Cambridge CB23 3WA, UK

Telephone: +44 (0)1480 832202
Fax: +44 (0)1480 832233
Email: xray@toddrsearch.co.uk
Website: www.toddrsearch.co.uk

