

# Desktop Security X-Ray Screening

**TR10**  
TR Detector 10

Potentially nobody is now safe from the modern day threats. Improvised and antisocial devices have been sent to even the most unlikely addresses.

The TR10, with its small footprint and overall size allowing it to sit on or under a desk, employing 21st century technology to ensure image quality is not traded for size, makes mail safety achievable to everyone.

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## Features

- ▶ Compact footprint and size
- ▶ Can be sited on or under a desk
- ▶ Highest quality unit from a trusted source
- ▶ Quick and easy to use
- ▶ Optional Enhanced Powder detection

## Benefits

- ▶ When available space is restricted
  - ▶ When you receive anonymous mail and small packets
  - ▶ Also screen small bags
  - ▶ Full colour 19" TFT screen
  - ▶ Quick and easy to use push button control
  - ▶ Full training included in Full Maintenance Cover
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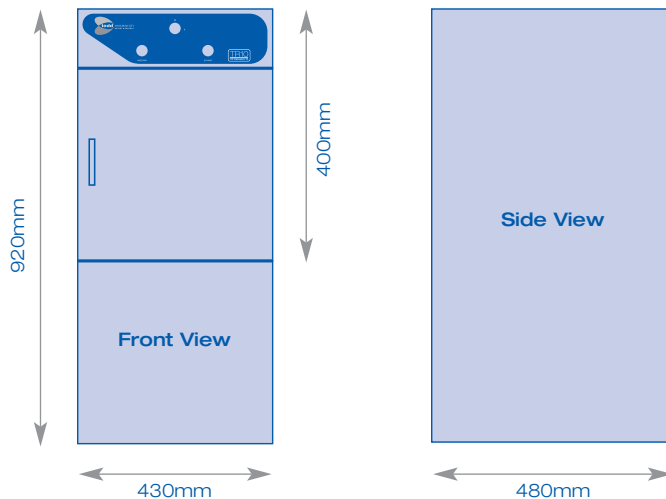
# TR10 Technical Specifications

## Image processing features

The TR Detector 10 has the following operating and image processing features:

Function	TR10
Automatic field flattening	•
Up to 16 times zoom	•
On screen service reminder	•
Adjustable image colour facility	•
Full colour 19" TFT Monitor	•
Density Alert	•
Enhance Mode: Negative Image	•
Enhance Mode: Enhanced Powder Detection (EPD)	•
Enhance Mode: Image edge enhancement	•
Enhance Mode: Sharpen image	•
Enhance Mode: Emboss image	•
Enhance Tools: Brightness, Contrast and Gamma adjustments	•
Colortrace III Standard, Advanced & Training operating modes	•
Image archiving & management	•
Image print & export	•
Image annotation	•
Externed keyboard supplied	•
External printer supplied	•
Interactive program to test user ability	•
Ethernet compatible for remote operation	•
High resolution digital camera option	•

The parameters of the two Pseudo-colour enhancement and 3-point Density Alert functions are factory set by Todd Research Ltd., and are designed to provide optimum image highlight and contrast conditions. These enable the operator to distinguish easily and quickly between different densities.



## Detection System

- Wire Resolution: 36AWG
- Steel Penetration: 3mm

## X-Ray Generator

- Anode Voltage 80kV

## Power requirements

240V / 110V, 50 / 60Hz, 750W

## Display

- TFT Monitor 19" LCD (1280x1024) pixels

## Health and Safety

All equipment complies with applicable international health and safety regulations. Leakage dose at outer surface <1.0µSv/h (O.ImR/h)  
Film and magnetic media safe.

## Operating environment

Operating temperature: 0°C - +40°C  
Storage temperature: 15°C - 50°C  
Relative humidity: 85% non-condensing

## General dimensions

Height ..... 920mm  
Width ..... 430mm  
Depth ..... 480mm  
Net weight ..... 75kg

## Inspection chamber

Height ..... 350mm  
Width ..... 420mm  
Depth ..... 310mm

## Image area

Width ..... 370mm  
Depth ..... 270mm

## Shipping dimensions

Height ..... 1,000mm  
Width ..... 600mm  
Depth ..... 595mm  
Weight ..... 90kg

## Door opening

Height ..... 345mm  
Width ..... 355mm

## 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.

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