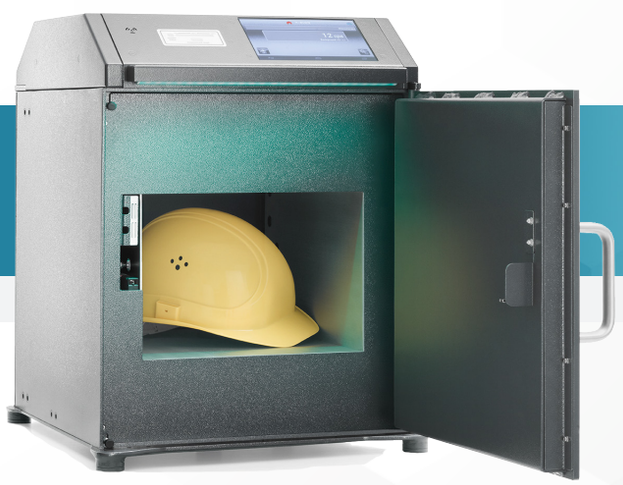
MIRION TECHNOLOGIES

Radiation. **Safety.**

TOM-i

Mobile Clearance Monitor



Nuclear Power

Homeland Security & Defense

Industrial and Manufacturing

Healthcare

Labs and Education

OVERVIEW

The TOM-i is the smallest, lightest, and newest member of our CheckPoint:Waste™ family of contamination and clearance products. Designed for Cs-137 release criteria, the TOM-i weighs only 75 kg / 165 lbs with the modular lead shielding removed – which easily allows transport between locations. The TOM-i is equipped with the proven technology of Mirion GammaFibre™ detectors.

The TOM-i is a reliable monitor for quick release measurements of tools, safety helmets, and other small items. It is also available in a version that is smaller still, with a chamber volume of 11 litres – perfectly matching the size of folders and clipboards.

The monitor is very well suited for high throughput requirements.

KEY FEATURES

- Moveable clearance monitor
- Chamber sized for safety helmets or folders
- Two GammaFibre™ detectors
- 2-door functionality with interlock (single door operation available)
- Microprocessor-controlled
- Optional embedded computer with touch screen display (standard in Americas)

Health Physics

FUNCTIONALITY

The TOM-i is simple to use. It operates in one or two-door mode to release goods from a controlled area. Guidance from the user in both the stand-alone mode or via the embedded computer is straightforward and intuitive. The monitor's status, as well as alarm conditions, are clearly indicated by changing color LED strips, a bar graph on both the entry and exit sides, and an alarm buzzer. If the monitor includes the embedded computer, the user can easily modify any of the operating parameters. All of these features guarantee reliable and quick measurements, with a high throughput of goods.

TOM-i measurement chamber: 24 litres

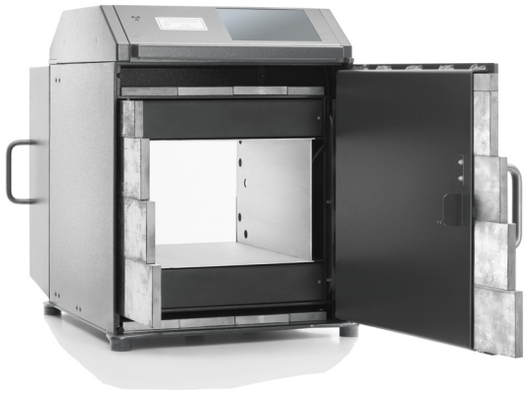
TOM-i A4 measurement chamber: 11 litres

MIRION APP FOR TOM-i

The optional readout unit (embedded computer) – with the Mirion app (running on an Android OS) – not only provides a database for the monitor's measurements, but it also allows the editing of system parameters by appropriate level personnel. Additionally, current measurements are indicated in real time on the display.

MIRION FIBRE TECHNOLOGY

The state-of-the-art Mirion GammaFibre™ detector technology has been developed for the highest performance requirements: the scintillating fibre detectors feature the industry's lowest area of dead zones. This high uniformity of measurement results in consistently exceptional performance. As well, the detector elements are easily removed and replaced for economic operation with minimal downtime.



TOM-i: lead shielding is easily removed

TECHNICAL SPECIFICATION

TOM-i	dimensions (outer/inner)	579 x 477 x 486 mm / 214 x 300 x 370 mm
	weight (w/o lead)	75 kg
TOM-i A4	dimensions (outer/inner)	499 x 477 x 486 mm / 100 x 300 x 370 mm
	weight (w/o lead)	58 kg
Detectors		2 GammaFibre™ detectors
Standard lead shielding		15 mm
Energy range		59 keV - 3 MeV

OPTIONS

Embedded computer running on an Android OS (standard in Americas)
Software application
Rack of 80 cm height
Lead shielding 25 or 50 mm (A4 version 25 mm only)

> GERMANY - HAMBURG
T: +49 40 85193 0 | F: +49 40 85193 256 | E: hamburg-sales@mirion.com

> USA - SMYRNA, GEORGIA
T: +1 770 432 2744 | F: +1 770 432 9179

> FRANCE - LAMANON
T: +33 490 595959 | F: +33 490 595518

> FINLAND - TURKU
T: +358 2 4684 600 | F: +358 2 4684 601

> CHINA - SHANGHAI
T: +86 21 6180 6920 | F: +86 21 6180 6924