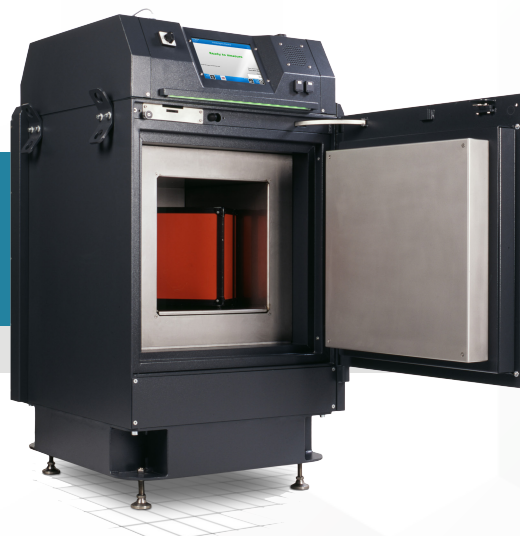




# TOM

Tool & Object Monitor



Nuclear  
Power



Homeland  
Security  
& Defense



Industrial and  
Manufacturing



Healthcare



Labs and  
Education

## OVERVIEW

TOM is a state-of-the-art clearance monitor which has been developed for fast and reliable contamination screening of tools and other small items for gamma radiation. It combines an innovative design with the proven technology of Mirion GammaFibre™ detectors. An intuitive user interface makes work efficient and safe.

Many optional accessories allow to customize the monitor according to the users requirements.

## KEY FEATURES

- 80 litres measurement chamber
- Advanced & innovative software
- Built-in scales for automatic selection of measurement parameters (optional)
- Network connection & CeMoSys™ interface
- Up to 6 Mirion GammaFibre™ detectors with particularly high sensitivity
- High throughput
- Operates in single and two door mode with interlock functionality
- 10.4" touchscreen (second screen optional)
- Uninterruptible power supply

Health Physics

## FUNCTIONALITY

TOM is by design intuitive to use. Its status and alarm conditions are clearly indicated by changing color LED strips on entrance and exit side and a 10.4" touchscreen (second screen optional).

The measurement starts by simply closing the door after positioning the measurement object. The advanced software even allows to create an individual measurement process with customizable parameter settings. Moreover, it takes into account the weight of the measurement object, measured by the built-in scales (optional) for an automatic selection of the measurement parameters.

TOM features a full 4 pi lead shielding for an optimal performance also in challenging background conditions. It is equipped with 4 Mirion GammaFibre™ detectors - located on top, bottom and the sides. It can be equipped with an additional GammaFibre™ detector per door for even lower detection limits.

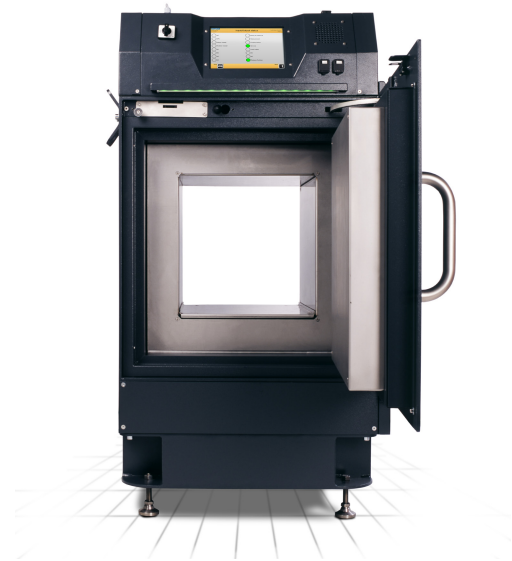
All of these features guarantee reliable and quick measurements with a high throughput of goods.

## 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. The homogeneous and high sensitivity across the entire detector areas result in an exceptional performance. The robust detector elements can be easily exchanged - for economic operation with minimal downtime.

## TECHNICAL SPECIFICATION

Dimensions (outer/inner)	845 x 800 x 1200 / 500 x 400 x 400 (depth x width x height in mm)
Standard loading height	415 mm
Detectors	4 up to 6 GammaFibre™ detectors
Detection limit (Co-60)	40 Bq in 30s
Standard lead shielding	25 mm
Energy range	50 keV - 2 MeV



## OPTIONS

- Built-in scales
- Additional GammaFibre™ detector in each door
- Second display on exit site
- Lead shielding upgrade to 50 mm
- Work table platform (loading height 570 or 750 mm)

### > GERMANY - HAMBURG

T: +49 40 85193 0 | F: +49 40 85193 256 | E: info-de@mirion.com

### > USA - SMYRNA, GEORGIA

T: +1 770 432 2744 | F: +1 770 432 9179 | E: info-us@mirion.com

### > FRANCE - LAMANON

T: +33 490 595959 | F: +33 490 595518 | E: Info-fr@mirion.com

### > FINLAND - TURKU

T: +358 2 4684 600 | F: +358 2 4684 601 | E: info-fi@mirion.com

### > CHINA - SHANGHAI

T: +86 21 6180 6920 | F: +86 21 6180 6924 | E: info-cn@mirion.com

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