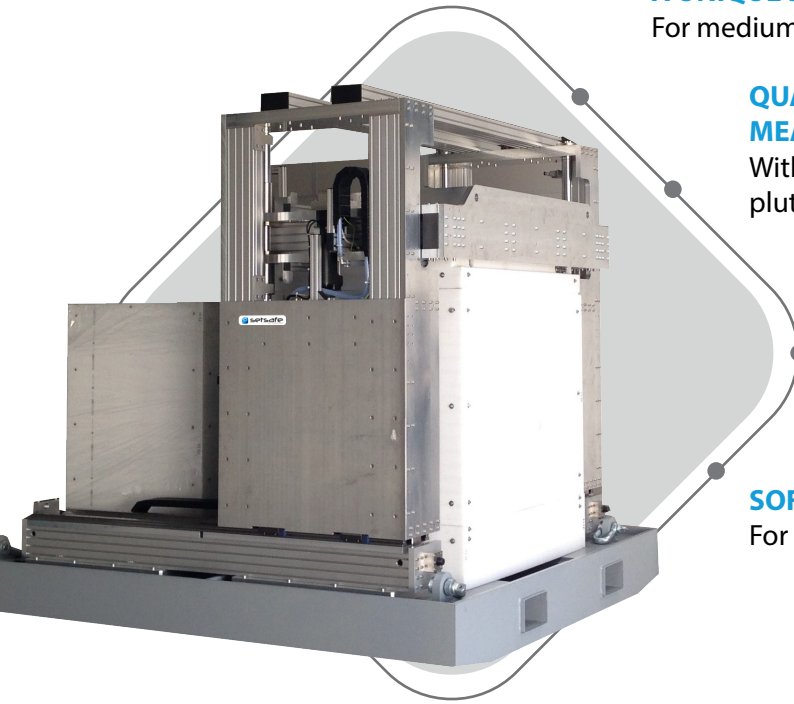


# HEAT-CHECK ULTRA

FOR THE MOST SENSITIVE MEASUREMENTS



## A UNIQUE DETECTION LIMIT

For medium size container characterization

## QUANTITATIVE AND NON-DESTRUCTIVE MEASUREMENTS

With the highest accuracy for isotopes like plutonium or tritium

## RESULTS INDEPENDENT OF MATRIX AND CONDITIONING EFFECTS

Ideal addition to gamma spectrometry

## SOFTWARE AND AUTOMATION OPTIONS

For simple and safe use

### PERFORMANCE

<b>Lower quantification limit*</b>	<b>Tritium</b>	0.3 mg
	<b>Plutonium</b>	0.05 g
	<b>Others</b>	Following the specific activities of the materials to characterize
<b>Higher quantification limit*</b>	<b>Tritium</b>	1.5 g
	<b>Plutonium</b>	260 g
	<b>Others</b>	Following the specific activities of the materials to characterize
<b>Measurement accuracy</b>		Better than 1%**
<b>Measurement precision</b>		Better than 1%
<b>Measurement time**</b>		48 h

### GENERAL

<b>Container volume</b>		Up to 40 L, others on request
<b>Temperature control of containers</b>	<b>System</b>	Water flow or oil
	<b>Range</b>	36°C
<b>Dimensions (WxDxH)</b>		2400 x 3000 x 2600 mm
<b>Weight</b>		9000 kg

\* Following the limit in mW and the specific power of the radionuclide in mW/g

\*\* Varies considerably with the mass, thermal conductivity and container shape. The measurement time indicated includes the use of predictive calculation algorithms.