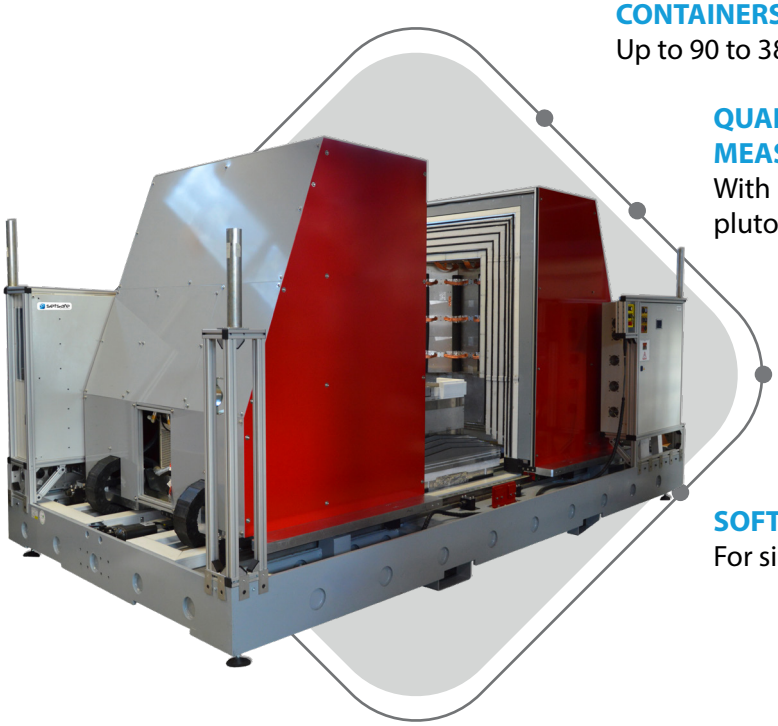
HEAT-CHECK LV

FOR THE MOST ACCURATE QUANTIFICATION OF LARGE CONTAINERS



MEASUREMENTS OF LARGE VOLUME WASTE OR CONTAINERS
Up to 90 to 380 liters

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		
Lower quantification limit*	**Tritium**	30 to 45 mg
	Plutonium	5 to 8 g
	Others	Following the specific activities of the materials to characterize
Higher quantification limit*	**Tritium**	9 to 80 g
	Plutonium	1.5 to 13.5 kg
	Others	Following the specific activities of the materials to characterize
Measurement accuracy		Better than 1%
Measurement precision		Better than 0.5% to 1 %
Measurement time**		5 to 10h

GENERAL		
Container volume		Up to 90 or 380 L, others on request
Temperature control of containers	**System**	Water or air flow
	Range	25 to 40°C
Dimensions (WxDxH)		1500 x 1000 x 1260 to 4260 x 2400 x 3010
Weight		1200 to 12000 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.