

# Waste Assessment Monitor

## Characterization

The WAM has been designed and manufactured for the radiological characterization of waste by means of gamma spectrometry, dose rate measurement and even "frotis" samples acquisition.

The WAM is a compact solution that can be installed on different skids in order to make easier a quick deployment and operation in different environments. The system can include gamma spectrometry, dose rate measurement and "frotis" operations. Main features are:

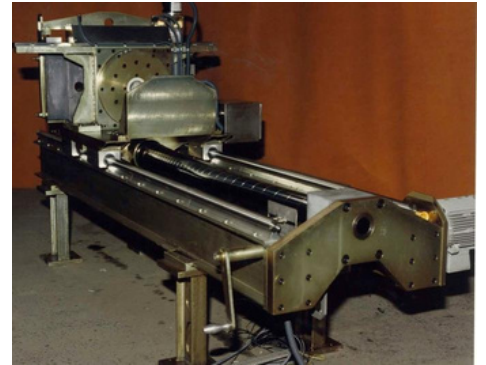
- Elevation system
- Rotation system for 360° measurement
- Drums and barrels acceptance: from 220 L up to 480 L
- Waste capacity up to 700kg (more also possible under demand)
- Can be designed for other waste formats like containers, bags, etc.
- Collimation system automatically adjustable
- Collimation window adjustable
- Spectrometry system: HPGe (nitrogen or electrically cooled), NaI, LaBr, CZT, etc.
- Gross counts: plastic scintillators
- Robotic arm for the handling of GM probes
- Robotic arm for the handling and obtention of "frotis" samples
- Weigh scale
- Software and applications for spectrometry analysis and system control
- Modular manufacturing: skid
- It can be designed for "Plug&play", no installation needed.
- Remote integration with Control rooms



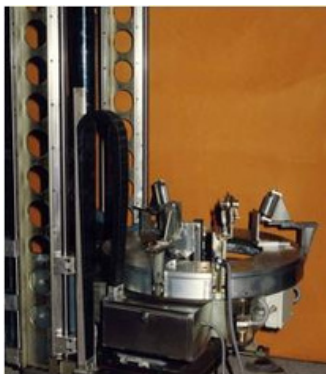
"Frotis" sample  
obtention system



Complete system



Analysis table with collimator



Elevation and rotation  
table for drums



HPGe detector



Scintillation detectors



"Frotis" sample  
obtention system



Complete system



Analysis table with collimator



Elevation and rotation  
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HPGe detector



Scintillation detectors