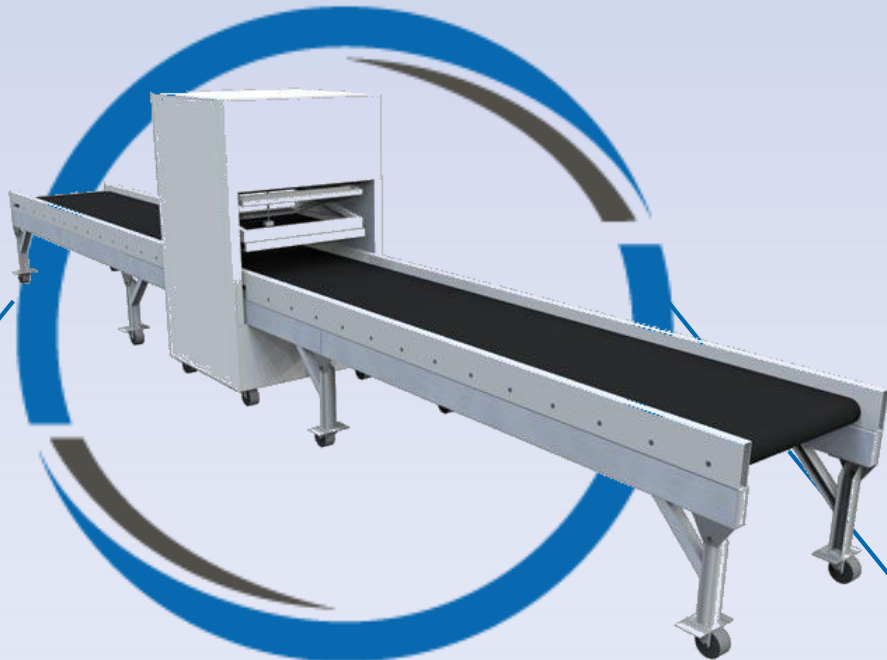


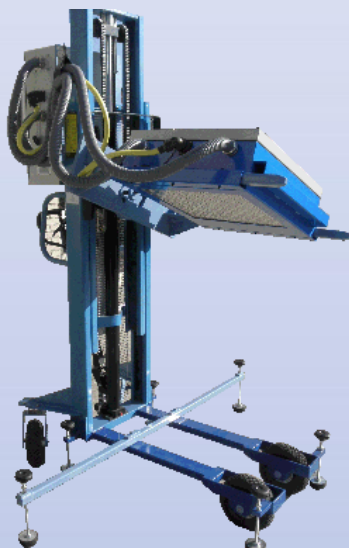
HS-MOS 2

The HS-MOS 2 has been designed for the detection and measurement of gamma radiation on potentially contaminated materials like scaffolding, etc.



It includes two big area plastic scintillator detectors with PMT and HV sources. This guarantees that the detectors perform in their optimum operating conditions, providing an excellent signal output.

The typical efficiencies obtained are: >30% (Co-60), >12% (Cs-137), >6% (Ba-133).



Characteristics:

- Two gamma plastic scintillator detectors.
- Energy range: 50 KeV - 3 MeV.
- Detection area per detector: 2500 cm².
- Each detector includes its own HV source & PMT.
- Wheels to transport it to different locations easily
- MDA <0,4 Bq/cm²
- Alarms 100% configurable.
- Single 10" screen.
- Windows 7 or 10.
- Option for MCAs and energy discrimination
- Option for open window for beta detection
- Option for NaI for spectrometry analysis

The equipment is shielded with a 10 mm lead sheet to minimize the background contribution.

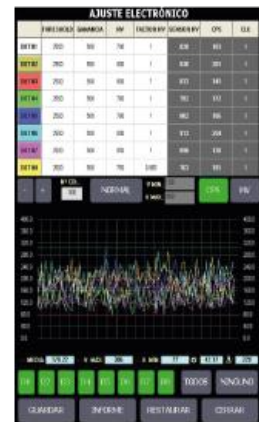
In case of high background environments, the lead shielding can be incremented.

Stability and durability are provided by means of an aluminum structure and the stainless steel cover plates.



Each detector's operating parameters can be customized individually.

- The counting measure is displayed showing the information provided by each detector, making possible to asses the contaminated area.
- The equipment monitors the background constantly and starts the operation when an object is detected inside the counting chamber.
- Alarms and threshold can be easily set depending on user's requirements. This includes high and low background alarm, high counting alarm, etc.
- An audio interface provide instructions and status update to the user. Male or female voice can be selected.



An user friendly display guides the user through all the equipment configuration menu.

- All the recorded data is stored and managed by system, making possible to export it via USB.
- Calibration of the equipment can be easily performed following the system instructions.
- The software is 100% configurable according to user's requirements.