

# BANCO

## Radiological Control Bench

- BANCO has been specially designed for detection of very low radioactive sources or low contamination on tools, scrap, parcels. BANCO is based on four DSP010 plastic scintillation detectors. It allows estimation of mass activities. It is used for nuclear facilities decommissioning.

### ➤ Technical characteristics

#### Radiological Control Bench:

- 1 triple chain motorised conveyor
- 2 roller conveyors
- 1 control cell
- 1 weighing system
- 1 industrial computer to control the bench and to collect information from the detectors

#### Measuring cell:

- Detectors: 4 shielded plastic scintillation detectors DSP 010 (25 liters) (see product sheet)
- Industrial computer
- Alarm : Audible & visual. Local & remote
- Printing and RS 485 outputs

**Operating Temperature :** -20, + 50°C.

#### Dimensions of the Bench:

- Length: customised
- Cross section of the detector tunnel: 0.6 m x 0.6 m

#### Similar applications:

- Scaffoldings or tools on belt conveyor control (CORAMAT)
- Laundry monitors (CORALI)
- Tools controller (RadObject)



- Very low detection limit:  $3 \cdot 10^{-3}$  Bq/g of Co-60 in a 200 kg load
- Fully Automatic and 100% reliable control. Staff is only needed for loading and unloading pallets  
→ Very low operating and maintenance costs
- Detection or measuring mode
- Mass activity measurement. Useable for free release
- Equipment in operation in harsh environment
- Control of 4 tons of scrap/hour with a detection limit of  $3 \cdot 10^{-3}$  Bq/g - 60Co
- Latest Technology. Fast processing unit
- Maintenance free.

