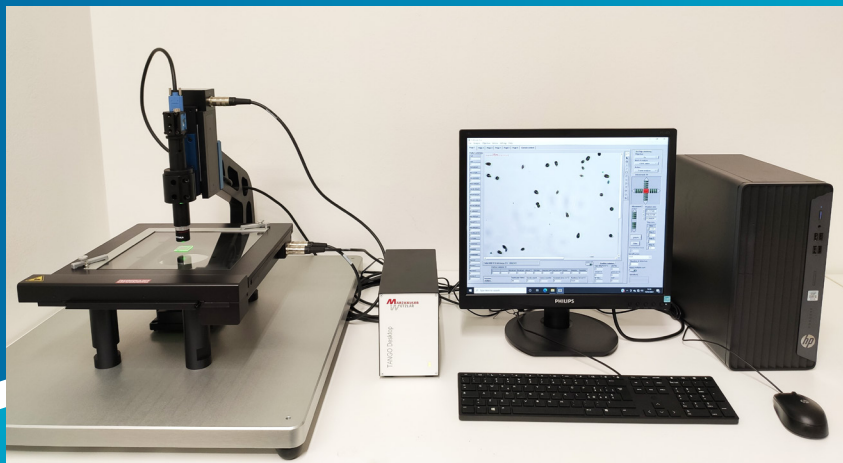


POLITRACK®

Automatic reader for SSNTD

To further improve the performance of the Politrack® track detector reading system, backed by more than ten years of experience, we have adopted a new, even more reliable mechanics, coupled with a last generation camera, for faster, always silent scan.

In addition to the "classic" 200x200 mm², a new model with 100x100 mm² stage is now available. Besides our standard CR-39 formats 25x25 mm² or 15x15 mm², both compatible with our Radout® holder, both the systems can accommodate any detector up to the size of the scan area.



Hardware

- Anodized aluminium breadboard
- Led system for sample back-lighting
- Radon: microscope with 4x objective
- Neutrons: microscope 10x with condenser
- Camera 1/3" CMOS 1440 x 1080 b/n, 200 frames/sec
- 3 axes micro-step motor control board
- Z-axis precision linear stage, repeatability +/- 1 µm, resolution 0.1 µm
- XY motorized scan table, max. speed 90 mm/sec, resolution 0.1 µm, accuracy +/- 3 µm, repeatability <1 µm
- CPU, 19" LCD, OS Win11 Pro, Office
- < 40 dB(A) at 50 cm

Main features:

- Automatic scan of PADC and other SSNTD
- User definable detector size and reading area
- Autofocus routine
- Automatic code reading
- Image analysis
- User definable track morphological filters
- Determination of track density
- Correction for overlapping
- Correction for ageing/fading
- Data output in .txt and .xls format



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Politrack® RS-10

Stage 100x100 mm²

- 16 detectors 25x25 mm²
- 36 detectors 15x15 mm²

Politrack® RS-20

Stage 200x200 mm²

- 64 detectors 25x25 mm²
- 169 detectors 15x15 mm²

