



Modular open X-ray system

Through radioscopy of materials and device versatile material imaging and analysis can be achieved in a non-destructive way. Our system is exchangeable x-ray tube and detector, also moving or bending.

Technical details

X-ray tube:

Voltage: 30 – 90 kV, step 1 kV
Current: 0.5 – 15mA, step 0.1 mA
Focal spot: 1.5 mm acc. EN 12543
Beam angle: 60° x 48°
Control sw

Detector:

Number of pixels: 256 - 4096
Pixel pitch(spacing): 0.4 mm
Active area lengths: 102 – 1638 mm
Max.scanning speed : 166 cm/s
Image data format: txt and tif

X-ray and Gamma Ray Detector:

Type: CdTe-Diode
Size: 3 x 3 mm(9 mm²)
Energy resolution
@122 keV, ⁵⁷Co : <1.2 keV FWHM,typ.
Dark count: <5 x 10⁻³ count/sec
@ 10 keV<E< 1 MeV

Collimator kit

Applicator desk:

Max sample weight: 30 kg
Max movement:x=950 and y=220 mm
Min desk speed: 0,21 mm/s
Max desk speed: 80 mm/s
Control sw

Version 1.0

