

# STADI VARI PILATUS



- Four circle goniometer, open Eulerian cradle
- Ultrafast and sensitive Pixeldetector:  
Pilatus 100K (300K)
- Various sources possible:  
Standard sealed tube, Microfocus BDS, ...
- Fully integrated in the well known STOE X-Area software packages

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## Detector: Pilatus 100 K

Direct detecting, single photon counting	Reverse-biased silicon array thickness 0.320mm Pixel size 0.172 x 0.172 mm <sup>2</sup> 487 x 195 pixels 83.8 x 33.5 mm <sup>2</sup> 3 – 30 keV
No dark current, no readout noise	
Short readout time	2.7 ms ⇔ shutterless operation
High dynamic range	20 bits
Adjustable threshold	2 – 20 keV (resolution 500 eV)
No external cooling needed	

## Stoe Stadi Vari Open Eulerian Cradle

High precision	Sphere of confusion 0.01 mm
Practically no maintenance needed	
State of the art interface	Sustainable, Upgradeable
Flexible	
Resolution	Data up to 150° can be collected with a sufficient completeness