

Air Sensitive XRD

Specifications:

X-ray generator

Maximum output: 600W

Voltage: 20-40kV (1kV step)

Current: 2-15 mA (1mA step)

X ray-tube: Cu

Focus size: 1mmx10mm, 0.4mmx8mm

X-ray prof cover: Interlocking x-ray prof cover

Chiller internal chiller

Goniometer

Scan mode: $2\theta/\theta$ interlocking

Goniometer radius: 150mm

2θ Range of movement: $-3\theta \sim +145^\circ$

Minimum step angle: 0.005°

DS continuously variable $0.625^\circ, 1.25^\circ$

Solar Slit: $5^\circ, 2.5^\circ$

Detector

High speed 1D detector , D/teX Ultra2 and 2D detector, HyPix-400 MF