

BRUKER SKYSCAN 1276 MICRO-CT

Image Capabilities:

- 20-100 kV micro-focus X-ray source
- 6-position filter changer
- 11 Mp cooled X-ray camera
- Variable magnification (2.8 micron smallest pixel size)
- Scanning conducted in circular or spiral trajectory
- Step-and-shoot and continuous gantry rotation with shortest scanning cycle of 3.9 sec.

Sample Capabilities:

- Full body mouse and rat scanning, 80mm scanning diameter, >300mm scanning length,
- Integrated physiological monitoring (breathing, movement detection, ECG) for time-resolved 4D microtomography,
- On-screen dose meter to estimate accumulated dose and dose rate

Software:

- Software for 2D/3D image analysis
- Bone morphology and realistic visualization
- Software for volume rendering and virtual cuts
- Integrated touch screen to control main system functions