

Source	inCiTe™ 3D X-ray microscope 5 µm
Type	Maintenance-free, sealed
Smallest spot size	5 µm (at 4W)
Voltage	40-100 kV
Maximum power	20 W

General	inCiTe™ 3D X-ray microscope 5 µm / 2 µm
Maximum sample/scanning diameter	25 mm
Maximum scanning length	30 mm
Maximum sample length	100 mm
Image format	Raw (no header), 16-bit unsigned, little endian
Spatial Resolution	11 µm (0.5 MTF at 45 cycles/mm) 5.6 µm (0.1 MTF at 90 cycles/mm)
X-ray phase contrast	Propagation-based
Source-to-object distance	44-410 mm
Source-to-detector distance	84-450 mm
Lateral object translation	50 mm
Vertical object translation	12.7 mm
Rotational stepping	0.01 degrees (min.)

Source	inCiTe™ 3D X-ray microscope 2 µm
Type	Maintenance-free, sealed
Smallest spot size	2 µm (at 2W)
Voltage	40-110 kV
Maximum power	16 W

General	inCiTe™ 3D X-ray microscope 5 µm / 2 µm
Detector Type	Selenium-CMOS direct conversion
Detector Format	16 MP (4k x 4k pixels)
Detector Area	32 x 32 mm ²
Pixel Pitch	8 µm
Pixel size at maximum magnification	0.8 µm
Radiation Safety	< 4 µSv/hr at 50 mm distance from any accessible surface
Dimensions (L x W x H)	1434 x 48 x 57 cm
Weight	280 kg
Installation requirements	120V AC power 10-30°C temperature < 85% humidity Zero condensation