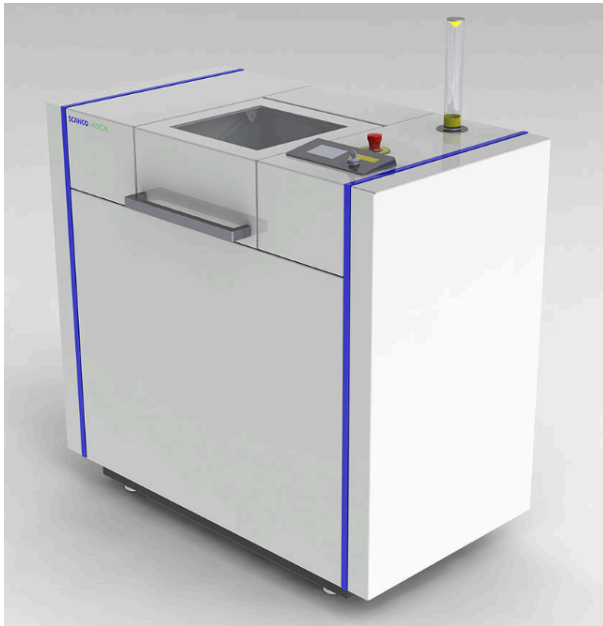


Micro CT (Computed Micro Tomography)



Device Model: SCANO MEDICAL µCT 50

It can create a three-dimensional (3D) model with images taken from the cross-sections of the material using X-rays without damaging the material. Analysis of the internal structure of materials such as composites, polymers, biological materials (bones, teeth, cartilage tissue, ...), bone morphometric analysis and micro-level imaging of up to 4 different materials in a sample can be performed. Apart from these features; by the Cooling/Heating Stage, the temperature can be decreased to 15°C below or increased to 15°C above the ambient temperature and analyzed under these conditions. The Compression/Tension Device is capable of analyzing the material under certain compression and tension conditions.

Micro CT Applications:

Dentistry, Biomedical, Material, Geology, Paleontology, Food industry

Device Equipment and Features

Maximum scan size : 50 x 120 mm (ØxL)
Maximum sample size : 100 x 160 mm (ØxL)
Resolution (Nom. / 10% MTF) : 500 nanometers / <2 µm

Heating/Cooling Stage

Maximum sample diameter : 8 mm
Maximum sample height : 15 mm
Maximum cooling effect : -15°C
Maximum heating effect : +15°C

Compression/Tension Device

Maximum loading and tension : 450 N
Maximum sample diameter : 23 mm
Maximum sample height : 25 mm
Maximum excursion : 8 mm