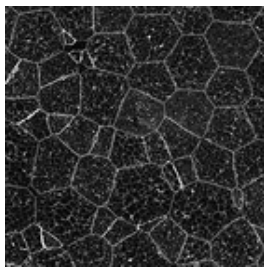


SCANCO MEDICAL

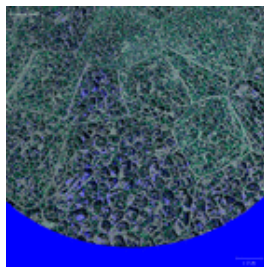
Materials - Biomaterials microCT

The internal structure of practically any material can be studied effectively using microCT imaging. Many industries take advantage of microCT's high resolution to inspect and verify production processes for products ranging from batteries to food. The distance transformation functions of SCANCO Medical's 3D analysis software are especially effective for quantifying accessible pore volume and permeability in foam-like materials. Examples of some interesting projects using our devices can be found in our collection of [Application Notes](#).

Material Applications (μ CT 50)



Styrofoam detail
(voxelsize 0.8 μ m)

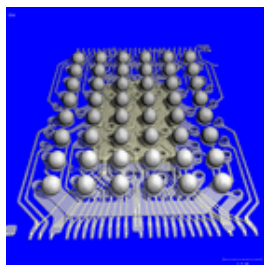


Styrofoam (3D slice)

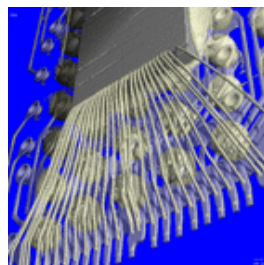
Material Applications (μ CT 100)



Aerosol can

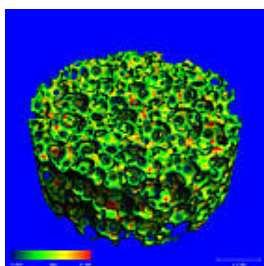


Printed circuit board

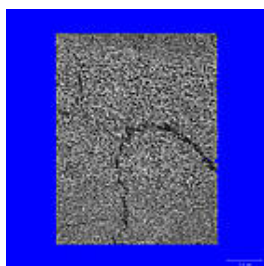


Printed circuit board

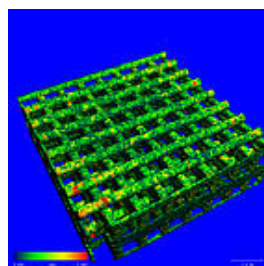
Material Applications (μ CT 35)



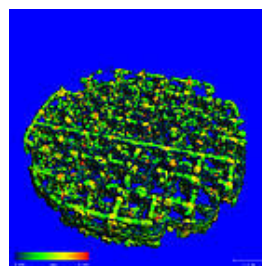
Scaffold thickness
map



Freeze-dried
sample



Titanium scaffold
thickness map

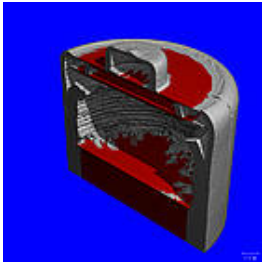


Scaffold thickness
map

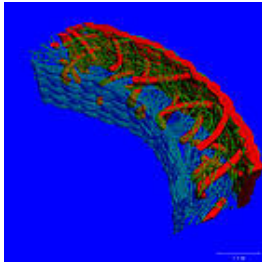
Material Applications (μ CT 80) - Porosity of aluminium Foams



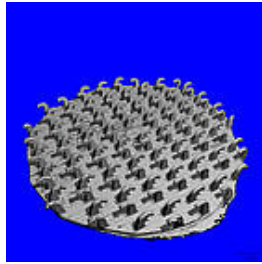
Material Applications (μ CT 40)



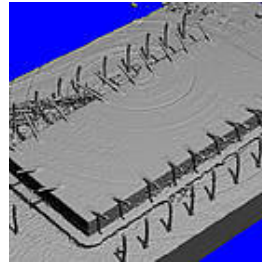
Battery



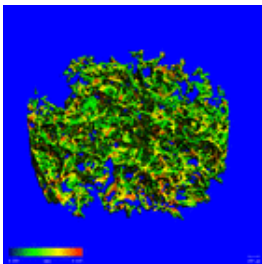
Velcro



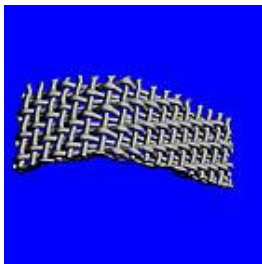
Velcro



Wire bond



Silk fibroin scaffold,
c. S. Hofmann,
ETHZ



Woven Fibers

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