Compression/Tension Device
Mechanical Testing Stage

SCANCO MEDICAL
Compression/Tension Device

The SCANCO Medical Compression/Tension Device allows users to test materials under compression and tension during the microCT scan using a controlled load. The compression device can be activated both inside and outside the scanner allowing application of the load before or while scanning.

The unit includes

- Compression/Tension device
- RS232 cable to connect with PC/Notebook
- USB to RS232 connector
- detachable wires
- PC Software including:
  - Force/Displacement control and display
  - Stress/Strain control and display
  - Data chart display and recording of data
  - Time Scheduler for testing

Specifications

- Use recommended for μCT 35, 40, 45, 50, 80, 90, 100, 100HE, vivaCT 40, 75 and 80
- Max load and pull 500 N
- Max sample diameter 24 mm
- Max sample length 27 mm
  - optional 57 mm for μCT 50 and 100
- Maximal excursion 9 mm
- Accuracy 0.02 mm
  - 1% of max. load