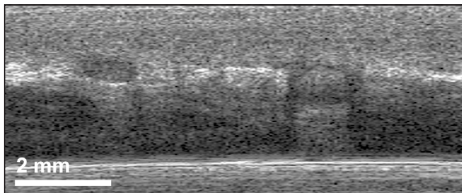


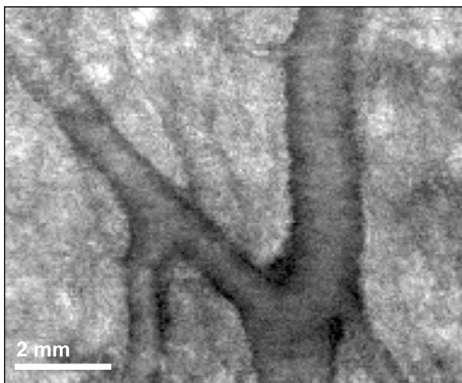
AMI – US

Acoustic Microimaging System

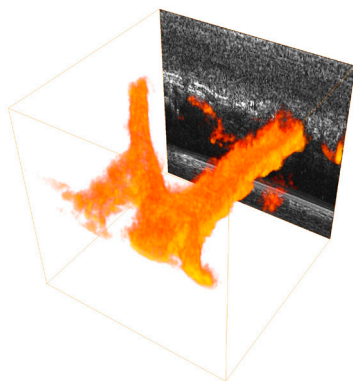
- high resolution 3D imaging
- membrane coupling for easy handling
- fast 2D scanning system
- motor controlled focusing
- large field of view
- 3D volume imaging
- user friendly software
- easy data export (Bitmap, Dicom, rf-raw)



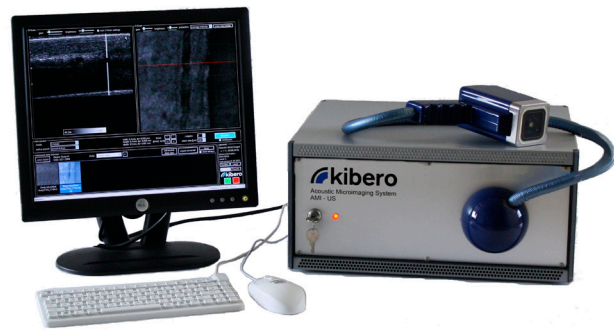
Acoustic image of upper skin layers



C-Scan image of microvasculature



3D-Reconstruction of microvasculature



The **AMI – US** is a high resolution 3D ultrasound imaging system which was designed for the visualization and quantification of tissue samples and small animal anatomical structures.

Features:

High resolution 3D ultrasound imaging – The platform enables high resolution 3D ultrasound imaging for in vitro and in vivo studies. With our kibero acoustical lens systems, a resolution of 50 µm is obtained.

Membrane coupling – Perfect ease of use is given through our custom designed membrane coupling. In most imaging applications a drop of water serves for perfect coupling.

Ultra-fast scanning – the use of fast piezo scanners allows the acquisition of ultrasound 3d data sets within minutes.

Large field of view – The field of view can be selected up to an area of 20 mm x 20 mm. The scanning step resolution within this area can be freely programmed.

User friendly software – A single button application software with predefined presets allows time effective system usage.

Data export – Publication ready data export in various file types including raw, bitmap, pure rf-data and DICOM formats allows easy offline analysis and presentation.

High system versatility – usable as benchtop scanner or as a handheld scanner.

Multiple Applications – High resolution, non ionizing, cost effective imaging and measurement is perfectly suited for a broad range of life science imaging applications.