

Press Release: For immediate release

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Michelson Diagnostics Announces Upgraded OCT Product

(170 Words)

Cancer imaging technology company Michelson Diagnostics Ltd has announced release of upgrades to its ground-breaking EX1301 OCT microscope. The upgrades provide higher imaging resolution, 3D image capture capability, and improved capture frame rate. Researchers will now be able to establish even more detailed real time, sub-surface information from the images,

The EX1301 is now available with the Santec-2000-W wide-sweep laser, which provides an increase in the sweep range from 100 nm to 150 nm. The result is improved axial resolution and isotropic pixel size reduced from 6 μm to 4.5 μm (in tissue).

3D image capture is possible with the motorized stage option, enabling researchers to analyze 3D datasets and produce en-face images and 3D rendered graphical models of their samples.

Michelson has also improved the processing system with faster algorithms and electronics, resulting in a tripling of the frame rate – the EX1301 achieves 2.9 fps for a 4.5 mm wide, 1000 A-line image,

For further details, please contact Dr Gordon McKenzie, Applications Director, on +44 (0)797 3343414, Email: Gordon.McKenzie@md-ltd.co.uk

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Higher resolution versions of the pictures are available on request from the contact above.

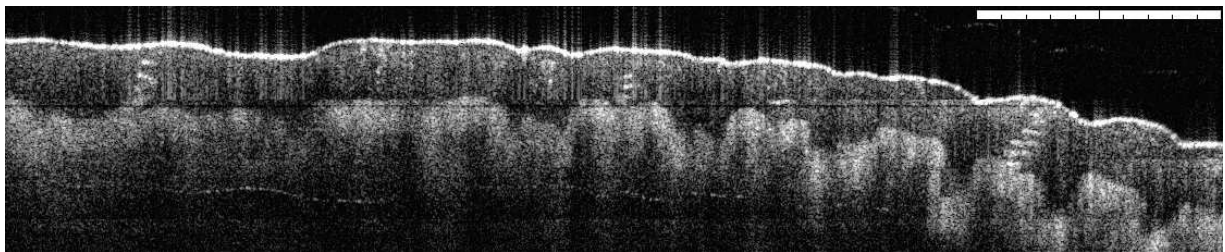
Michelson Diagnostics Ltd is the UK's leading independent manufacturer and developer of Optical Coherence Tomography medical imaging equipment. Founded in 2006, it is based in SE London, UK. The company's highly innovative optical probe technology offers the best available sub-surface OCT images for research applications in cancer surgery guidance, surveillance and diagnosis.

Images:

(1) EX1301 OCT microscope



(2) In-vivo OCT image of finger pad, taken with wide-sweep laser option. Scale bar is 1 mm. Image size 6 mm x 1 mm Pixel size 4.5 μm . Note the helical sweat glands.



(3) 3D rendering of skin on knuckle

