ConfoMap Surface Imaging and Analysis Software for Zeiss Microscopes

**Carl Zeiss** and **Digital Surf** announce the signing of an agreement enabling Carl Zeiss to provide the **ConfoMap surface imaging and analysis software** for confocal microscopes such as Axio CSM 700 true color confocal microscope, LSM 700 confocal laser scanning microscope, and other compound microscopes for topographical research.

The standard ConfoMap ST package includes numerous analytical studies. Geometric studies calculate distances, angles, areas, volumes and step heights on 2D profiles and 3D surfaces. Functional studies, including the bearing ratio curve and height distribution, facilitate the assessment of friction and wear on engineering surfaces. The roughness and waviness components of a surface are separated using the latest ISO 16610 advanced filtering techniques and 3D surface texture parameters are calculated in accordance with ISO 25178 standard. Additionally a layer on a micro-mechanical or electronic component can be extracted and analyzed in exactly the same way as a full surface.

ConfoMap ST software can be extended by adding modules for advanced surface texture analysis, dimensional analysis, grain and particle analysis, 3D Fourier analysis, the analysis of surface evolution, and statistics. It can also be upgraded to the top of the line ConfoMap Premium package.

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