



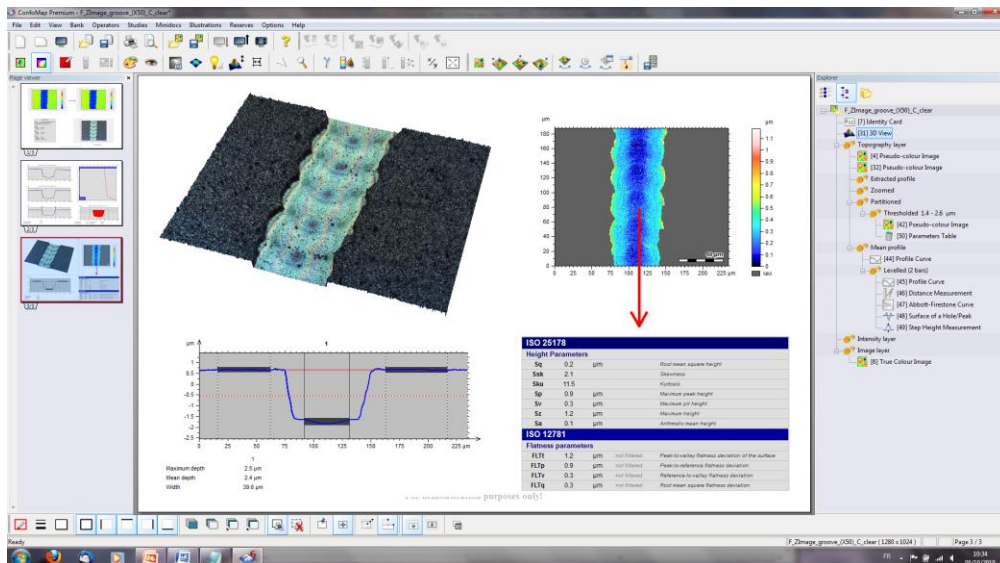
## Press Release

# ConfoMap® Surface Imaging and Analysis Software for ZEISS microscopes

## Detailed surface metrology reports in accordance with latest standards and methods

Jena, Germany / Besançon, France, June 2011

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.



ConfoMap® - Surface Texture analysis in accordance with the latest standards and methods.

“Carl Zeiss confocal microscopes provide strong support for the development of new materials and enable more efficient quality inspection in industry,” stated Dr. Franz Reischer, Product Manager of the Materials Business Unit at Carl Zeiss MicroImaging. “Research institutes and industrial facilities using Axio CSM 700, LSM 700 and other Carl Zeiss microscopes to develop and manufacture modern materials will benefit greatly from ConfoMap® which will provide them with latest surface metrology standards and methods with an intuitive user interface.”



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.

Working in ConfoMap®, a visual surface analysis report is built straightforwardly frame by frame in accordance with latest international and national metrology standards and methods. Every analysis step is recorded in an analysis workflow to assure full metrological traceability.

“The agreement with Carl Zeiss reflects Digital Surf’s commitment to providing “best in class” surface imaging and analysis software solutions for confocal microscopes,” stated François Blateyron, Chief Operating Officer of Digital Surf. “Surface imaging and analysis software based upon our Mountains Technology® is subject to continuous evolution by metrologists and software engineers. We are confident that it will meet the present and future expectations of users of Carl Zeiss’ microscopes who carry out research on advanced materials or who are responsible for assuring the quality of products manufactured using these materials.”

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#### **Carl Zeiss**

The Carl Zeiss Group is a leading group of companies operating worldwide in the optical and opto-electronic industries. Carl Zeiss offers innovative solutions for the future-oriented markets of Medical and Research Solutions, Industrial Solutions, Eye Care and Lifestyle Products. During fiscal year 2009/10 the group of companies generated revenues of around EUR 2.98 billion. From fiscal year 2010/11 onward, eyeglass lens manufacturer Carl Zeiss Vision will be integrated as an autonomous business group (revenues of EUR 880 million in fiscal year 2009/10). The Carl Zeiss Group now has approximately 24,000 employees, including more than 10,000 in Germany. The Carl Zeiss business groups hold leading positions in their markets. Carl Zeiss AG, Oberkochen, is fully owned by the Carl Zeiss Stiftung (Carl Zeiss Foundation).

#### **Carl Zeiss Microlmaging**

Carl Zeiss Microlmaging GmbH comprises the Microscopy Group of Carl Zeiss. Carl Zeiss Microlmaging is one of the leading manufacturers of microscope systems and offers total solutions for biomedical research, the healthcare sector and high-tech industries. Its product line spans a broad spectrum from light microscopes and systems for laser scanning microscopy and spectrometry to hardware and software for image processing and documentation. Carl Zeiss Microlmaging GmbH is headquartered in Jena, Germany. Other manufacturing and development sites are located in Goettingen and Munich. In fiscal year 2009/10 the Microscopy Group at Carl Zeiss generated revenues of approximately EUR 397 million with a global workforce of around 1,700 people.

#### **Digital Surf**

Digital Surf founded in 1989, specializes in providing surface analysis software for all types of surface metrology instrument including 2D and 3D profilometers, optical microscopes and scanning probe microscopes. Imaging and analysis software based on Digital Surf’s Mountains Technology® is integrated by leading instrument manufacturers and is used in thousands of laboratories and industrial facilities working in numerous sectors including aerospace, automotive, cosmetics, energy, MEMS, materials research, medical, metallurgy, nanostructures, optics, paper, PCB, plastics, polymers, printing, semiconductor, etc.