

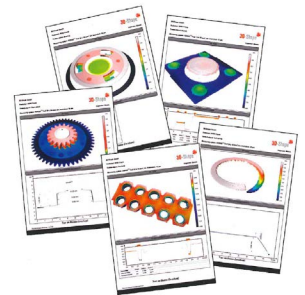
Introducing ISRA Map

Surface imaging & metrology software based on Mountains® Technology now available with ISRA VISION / 3D-Shape measurement systems

Darmstadt, Germany & Besançon, France, May 12, 2016 – ISRA VISION's KORAD-3D optical measurement systems are now powered by ISRA Map software, based on Digital Surf's Mountains® Technology. The new integrated software features state-of-the-art surface imaging, analysis and metrology tools in a smart multi-language user environment, making it possible to produce comprehensive and visual surface metrology reports faster than ever.

KORAD-3D systems together with ISRA Map software now provide a complete solution for a wide variety of applications including:

- Quality assurance at production lines
- Measurements of electronic parts and components
- Measuring individual parts for shape acquisition and inspection purposes
- Measuring ceramic, silicon, human skin and rubber
- Roughness measurements for quality inspection
- Measuring historical works of art etc.



New ISRA Map software makes it possible to produce surface metrology reports faster than ever

Available in 11 different languages¹, ISRA Map software comes with a unique interactive interface for data set preparation, display and analysis.

- **Powerful filters** remove outliers and local defects to prepare surfaces for further analysis.
- **Surface roughness and waviness** are separated using advanced ISO 16610 filtering techniques, and surface texture is characterized by the latest 3D parameters defined in the ISO 25178 standard, together with ISO 12781 flatness parameters.
- The new software also provides a generous set of features for **surface geometry analysis** including measurement of the volume of surface structures (bumps, holes), step heights, contour etc. These core ISRA Map features are complemented by numerous **optional modules** including grains and particles analysis, 3D Fourier and wavelets analysis, statistics and others.

Surface analysis & reporting made easy

ISRA Map also offers powerful automation tools to speed up analysis. Each step in the surface metrology report is recorded in a hierarchical analysis workflow for full traceability. Best of all, reports can be fine-tuned at any time by modifying any step in the workflow. All dependent steps are recalculated automatically!

Surfaces can also be analyzed by applying existing workflows as templates and new workflows can be created quickly by inserting common sequences of analysis steps (Minidocs or macros).

ISRA Map software generates smart surface metrology reports that can be exported in standard formats for publication. All numerical results can be exported in an Excel-compatible text file for further processing by third party tools including quality management systems.

¹ English, German, French, Japanese, Chinese, Korean, Spanish, Italian, Polish, Russian and Brazilian Portuguese.

Multi-page surface metrology reports can be published in standard PDF and Word-compatible RTF formats. All images and tables can be output in standard image formats at up to 1200 dpi for integration into posters and presentations.

ISRA Map users benefit from comprehensive built-in user help including graphical tooltips and a complete reference guide with illustrations and examples, accessible simply by hitting the F1 key.

“New ISRA Map software empowers users of KORAD measuring systems by providing them with an extensive set of surface imaging and metrology tools,” stated Wolfgang Berggold, Business Manager of 3D-Shape, part of the ISRA VISION group. “The integrated software greatly enhances users’ experience. Creating surface metrology reports becomes almost effortless!”

“Users of ISRA VISION’s KORAD systems will benefit from the latest generation of Mountains® software offering a smart user interface designed to minimize analysis report production time,” stated Christophe Mignot, Digital Surf CEO, “Once again Mountains® proves its position as an industry standard and tool of choice for surface analysis and metrology.”

ISRA VISION is a leading supplier of high-performance quality inspection, robot guidance and surface vision systems for more than 30 years. These systems are used all over the world in such industries as automotive, tier 1 automotive suppliers, metal, glass, plastics, paper, solar & photovoltaic, packaging and print. The corporate goal is to offer a complete portfolio of standard solutions which meet the full spectrum of requirements along the entire process chain.

Thousands of successful installations worldwide demonstrate ISRA’s experience and technological expertise in machine vision. For more information, visit www.isravision.com

Digital Surf, founded in 1989, specializes in providing surface imaging and metrology software for all types of surface metrology instrument including 2D and 3D profilometers, optical microscopes, atomic force microscopes and other scanning probe microscopes, scanning electron microscopes and hyperspectral instruments. 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, biotechnology, cosmetics, energy, MEMS, materials research, medical, metallurgy, nanotechnology, optics, paper, PCB, plastics, polymers, printing, semiconductor, etc. For more information, visit www.digitalsurf.com



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