

Mountains
Map **8**

Give your profilometer the very best
in surface analysis software

What's inside MountainsMap® 8?

Used by engineers, scientists and metrologists worldwide, MountainsMap® software is the gold standard in profile (2D) and areal (3D) surface texture analysis for use with profilometers and other surface measuring instruments.

Selected dedicated features



Surface roughness

Calculate roughness and surface texture parameters according to ISO 25178, ISO 4287, ISO 13565 and other standards.



Surface geometry

Analyze surface geometry: calculate distances, areas, angles, step heights, volumes and much more.



Advanced contour

Apply geometric dimensioning and tolerancing (GD&T). Fit elements, calculate form deviation and compare with CAD models.



Sub-surface analysis

Partition regions of interest, then study them in the same way as complete measured surfaces.



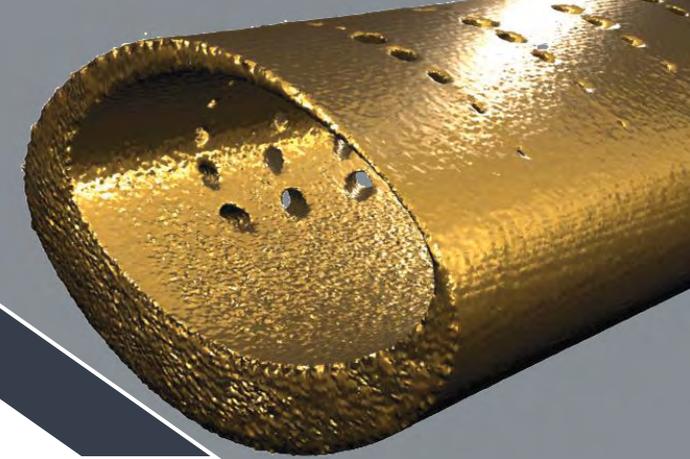
Data correction

Prepare your measured surface data for analysis by removing outliers and noise.



High quality 3D views

View surface topography in high quality 3D and visualize profiles, images, series etc.



New in version 8:
Freeform surface
(shell) analysis



Core benefits

MountainsMap® 8 is based on Digital Surf's Mountains® software platform, widely recognized as the industry-standard and tool of choice for surface metrology and image analysis. It is our goal to provide high-performance yet easy-to-use tools to metrologists, researchers and engineers addressing the scientific challenges of tomorrow.



Document layout

Organize steps of your surface data processing on 1+ pages & publish them directly



Total traceability

The analysis workflow lets you see and revert back to analysis steps applied to data



Powerful automation

Automate your repetitive work and speed up your batch analysis process



Works with any profiler

MountainsMap® can process data from any profilometer, 2D or 3D, contact or optical

Automotive

Aerospace

Metallurgy

Manufacturing

Data storage

Semiconductors

Materials science

Green energy

Optics

Etc.

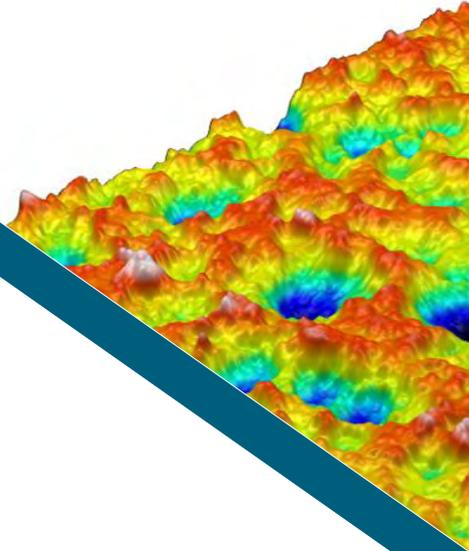
ISO 25178 - Roughness (S-L)

Height parameters

Sq	24.0	µm	Root-mean-square height
Ssk	-0.967		Skewness
Sku	3.73		Kurtosis
Sp	72.2	µm	Maximum peak height

30 years experience in surface metrology

For the last 30 years, Digital Surf has been on the cutting-edge of 3D surface analysis, first in the world of profilometry and subsequently in those of electron microscopy and scanning probe microscopy. We invest heavily in innovation and in the quality control of our products, in compliance with the latest scientific standards which we contribute to set.



About Us

Digital Surf has been developing surface imaging & metrology software for profilometers and microscopes since 1989.

Our main focus is on working as a partner with instrument manufacturers worldwide, in the fields of surface metrology and microscopy. Mountains® software is now offered by the majority of profilometer and microscope manufacturers and is embedded in their equipment or available as an option.

Digital Surf also provides Mountains® software packages directly to instrument users. Mountains® has an installed base of 20,000+ licenses worldwide, is available in 11 languages, supports ISO and national metrology standards and is supplied by 50+ instrument manufacturers.

Application areas include: automotive, materials science, semiconductors, medical, aerospace, MEMS, renewable energy, etc.

Get in touch

TO REQUEST A FREE TRIAL

 0033 381 504 800

 contact@digitalsurf.com

 www.digitalsurf.com