

ALTIMET

The best for fast & precise
Industrial Surface Metrology



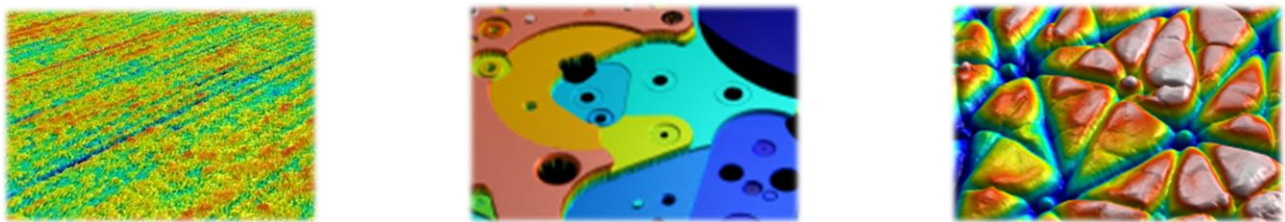
AltiSurf[®] Range

Opening Metrology Control new Possibilities

The AltiSurf® range of instruments is a highly accurate serie of 3D profilometers focusing on taking & values of any challenging surfaces : reflective, matte, coated, structured, transparent, polished ...



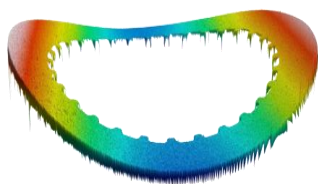
Implemented with state of the art optical technology, the multisensor AltiSurf® profilometer reaches new possibilities in the metrologic control. Modular and easy to use, the AltiSurf® fits all the needs from the R&D&I Laboratory to the production line, in order to understand the surface functionality and aspect properties, to optimize the manufacturing process and product quality control.



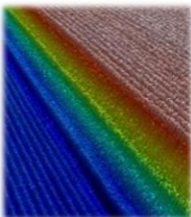
*Surface finish
Roughness / Texture*

Step-Height

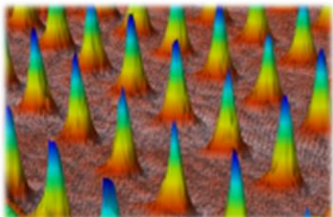
Topography / Form



Flatness



Thickness



Profile / Dimensional

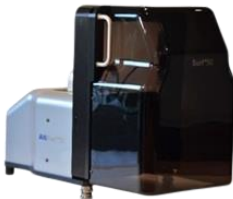
Ensuring fast & precise

optical measurements

Altimet design a wide range of 2D/3D profilometers for every needs, from hand-portable to benchtop gantry instruments.



Module for Production



AltiSurf[®] 50



AltiSurf[®] 500



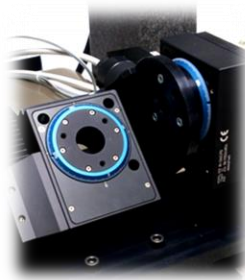
AltiSurf[®] 530

And for custom needs, **Altimet** has a team of engineers dedicated to the design of adapted profilometers and fixtures.

Altimet may also provide many options on its machine: rotary axis, visualization camera, cleanroom compliance ...



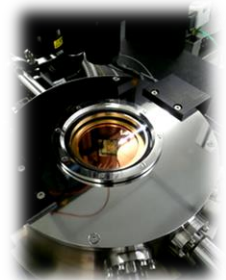
Wafer vacuum clamping



Double rotary axis



Multi-Print fixture



Vacuum /Cryochuck ±200°

PHeNIX[®] is an acquisition and analysis software suite designed to perform repeatable and reproducible measurements. PHeNIX[®] is an automated production quality control protocol, providing fast metrological results, through pass / fail visualization, SPC communication, etc. PHeNIX[®] integrates stage deviation correction functionality, step loops, calibration of embedded sensors and exploit the full potential of chromatic confocal technology in order to make measurement as simple as a pie.



Main Features & Advantages

- Ability to measure every surfaces (rough, transparent, black, polished ...)
- Multiple Technology : contact, confocal chromatic, interferometric ...
- Optical Measurement : no damage to the measured part
- Measurement area from 25mm³ to 600mm³
- Vast choice of measurement range
- Same resolution for each point – high accurate data
- Automatic swap between camera and 2 other sensors
- Easy to use interface : automation of protocols
- Embedded automatic measurement protocols
- ISO 4287, ISO 25178, ASME B46.1, EUR 15178N



Phénix V2 Technology

For nearly 15 years, **Altimet** has been responsible for the development, manufacture, marketing, sale and maintenance support of the AltiSurf® range of instruments. **Altimet** is now considered as a specialist in surface metrology, with prestigious international references in the automotive, aircraft, micromechanics, watchmaking, chemical, paper&printing and nanotechnology industries. **Altimet** is expert member of the UNM Commission publishing the ISO 25178 standard.

Located in Thonon-Les-Bains (France) , along the Lemman Lake : 30 km far from Geneva (GVA) / 180 km far from Lyon (LYS) airports, **Altimet** has partners in charge of many areas around the world.

Do not hesitate to contact us for submitting your advanced needs in surface metrology.



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