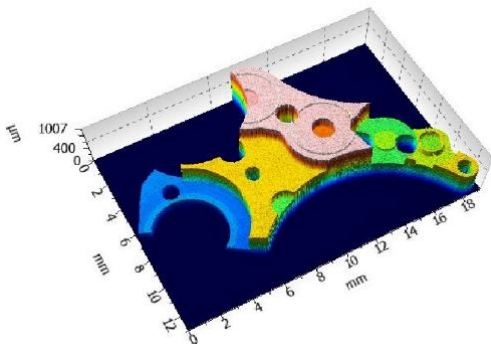
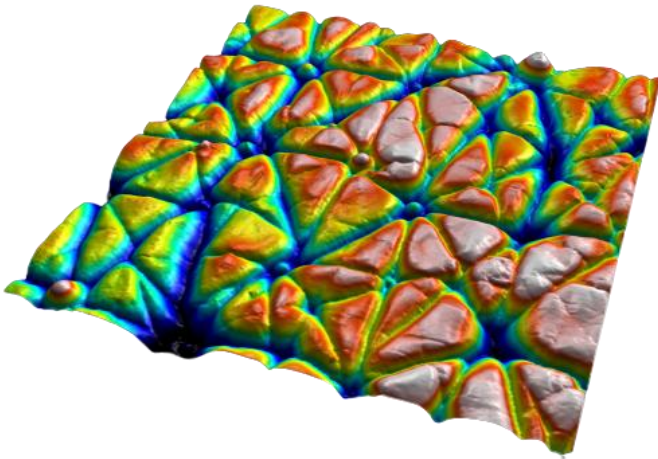




AltiSurf[®]520

Thanks to its larger dimensions and gantry structure, the AltiSurf[®] 520 is ideal for the analysis of your large parts. Its large measurement volume also offers the possibility of integrating complex layouts (double rotary axes) or of palletizing the control in production.

Same as all the 3D profilometer of the AltiSurf[®] range, the AltiSurf[®] 520 station incorporates the latest optical point or line sensor technologies. The AltiSurf[®] 520 is very convenient for big parts and samples either in production or R&D.



ALTIMET

Technical	Specifications
Measurement Principle	Non-contact, Optical, based on Confocal Chromatic technology, Interferometric & other
Volume (X x Y x Z)	200mm x 200mm x 100 mm (option Z 200mm or 300mm)
Speed of Stages	Up to 100mm/s
Flatness of Stages (Corrected)	2 μ/200mm (less than 1μ/200mm)
Measurement Range	From 100μm to 25mm
Resolution in Z	Down to 2nm
Lateral Resolution	0,7μm
Measuring Angle	Up to 90° ± 45° (optional Rotary Axis)
Step-Height Accuracy (1μm)	0,005 %
Low. Measurable roughness (Ra / Sa)	20nm / 20nm
Low. Measurable Thickness	1μm
Norm	ISO 4287, ISO 25178
Software	Acquisition : Phénix V2 / Analysis : PhénixMap

Features & Advantages

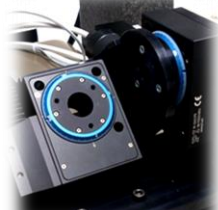
- Ability to measure every surfaces (rough, transparent, black, polished...)
- Vast choice of measurement range & technology (confocal, interfero, contact)
- Optical Measurement : no Damage to the measured part
- Max. 200x200x200mm measurement area
- Same resolution for each points – high accurate data
- Automatic swap between Camera and 2 other sensors
- Embedded measurement protocols
- Easy to use interface : automation of protocols



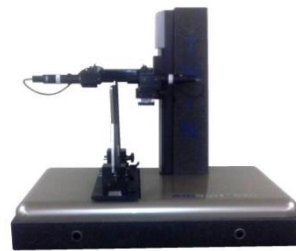
Phénix V2 Technology



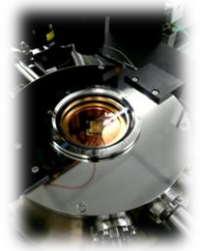
Multi-print Fixture



Rotary Axis



AltiSurf 520 Twin for non transparent measurement



Vacuum /Cryo ±200°C

ALTIMET SAS

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