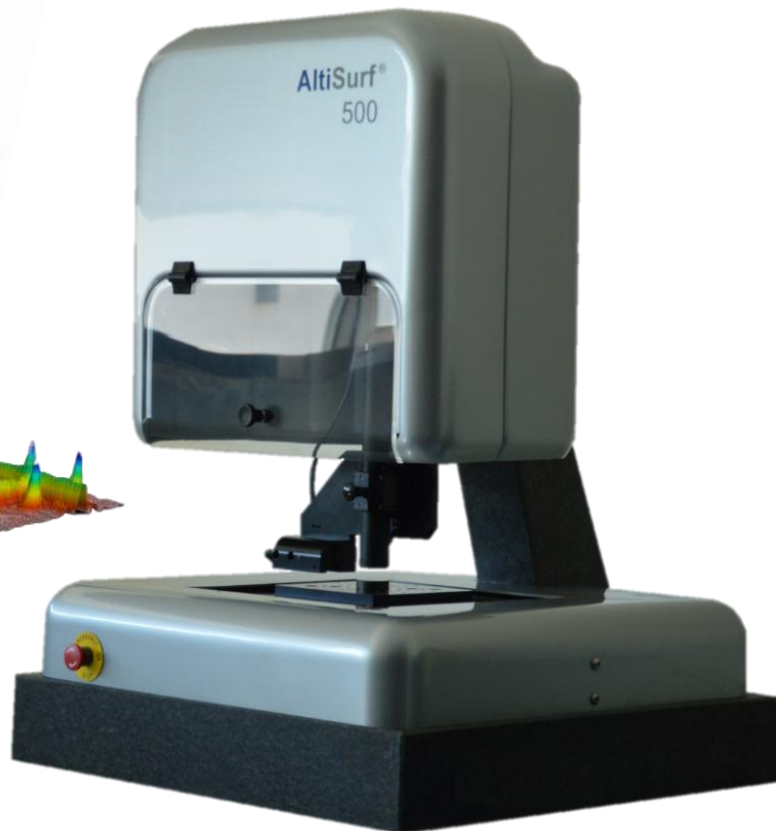
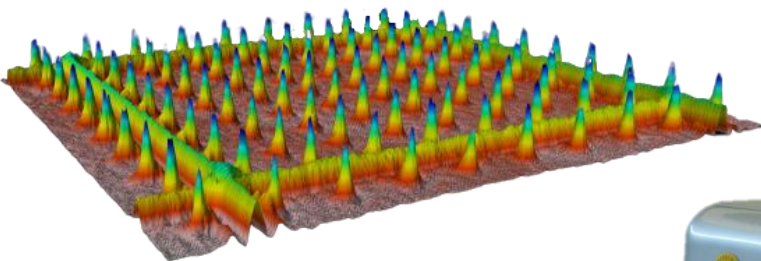
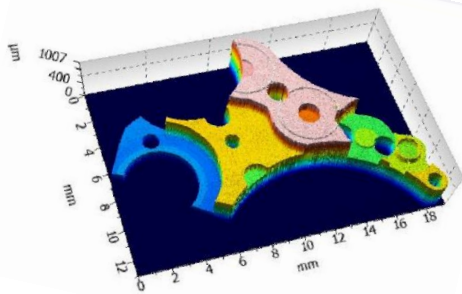




# AltiSurf<sup>®</sup> 500

The AltiSurf<sup>®</sup> 500 is the bestseller of the AltiSurf<sup>®</sup> range. This metrology station incorporates the latest optical point or line sensor technologies. This instrument will meet your needs in laboratory measurement whether it is the diversity of materials to analyze (metals, glass, textile...) or the quality control (roughness, shape, dimensional).

The modular architecture of the AltiSurf<sup>®</sup> 500 and its many options will offer you a turnkey solution for automated production control and laboratory characterisation.



ALTIMET

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

## Features & Advantages

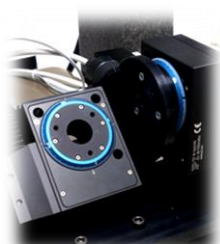
- Ability to measure every surfaces (rough, transparent, black, polished...)
- Vast choice of measurement range & technology (confocal, interfero, contact)
- Optical Measurement : no Damage to the measured part
- Max. 100x100x100mm measurement area
- Same resolution for each points – high accurate data
- Automatic swap between Camera and 2 other sensors
- Embedded measurement protocols
- Easy to use interface : automation of protocols



*Phénix V2 Technology*



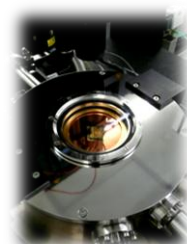
*Multi-print Fixture*



*Rotary Axis*



*Camera & Probe swap*



*Vacuum /Cryo  $\pm$ 200°C*

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