

3D AND HIGH ACCURACY VIEW OF YOUR SURFACES

Surface topographical measurements on every material, with or without contact



Your expectations

You want to precisely characterize and control the surface of a complex shape part in order to:

- control manufacturing parameters, for instance grooves, low-amplitude defects, bottom of cavities, coating thickness
- record the depth of corrosion defect
- follow the evolution of surface wear
- understand a tightness failure
- measure a material which does not allow contact (plastic material deformation, scratches)

You need advice to identify the most relevant measurement criteria.

Our solutions

- compliant with the current ISO 25178 standard and the future standard for 3D surface measurement which defines criteria for topographic measurement, our CLI2000 measurement station uses various with-or-without-contact sensors and make fine measurements with a very high resolution (only a few nanometers). Measurement volume is 200x200 x300mm. The topography of the part is shown in real-time.
- the asset of 3D: 3D simplifies your understanding of phenomena related to surface state: scratches, shocks, flatness, burrs...
- data can be rendered in the form of tables and charts, which enables you to quickly analyze results

Your benefits

- As independent, neutral and objective experts, Cetim specialists guarantee the best method and quick results
- you have access to Cetim's unique metrology equipment level and also resources in traditional or innovative non-destructive testing
- you can enrich your expertise with an analysis and redesign work in collaboration with Cetim experts