



3D non-contact profilometer

Alicona Infinite Focus SL

Profilometer produces a 3D model of a surface, allowing advanced measurement of parameters including roughness, waviness and form.

Features and benefits

- Allows determination of 3D roughness parameters, inaccessible through conventional contact profilometers
- Provides highly accurate form measurements including volume
- Conforms to surface profilometry standards BS EN ISO 4288:1998, BS EN ISO 4287:1998 and BS EN ISO 25178-606:2015
- Measures form and roughness at the same time
- Capable of measuring components with varying surface finishes

Key application

- Developing a greater understanding of any physical surface interaction process including wear, lubrication, corrosion, failure and adhesion

Technical specification

- 5xSX, 10x, 20x and 50x lenses
- Maximum measureable area: 2500mm²
- Maximum measureable profile length: 50mm
- Minimum measureable roughness: 0.08µm (Ra); 0.05µm (Sa)
- Minimum measureable radius: 2µm
- Minimum measureable wedge angle: 20°
- Maximum measureable slope angle: 87°

