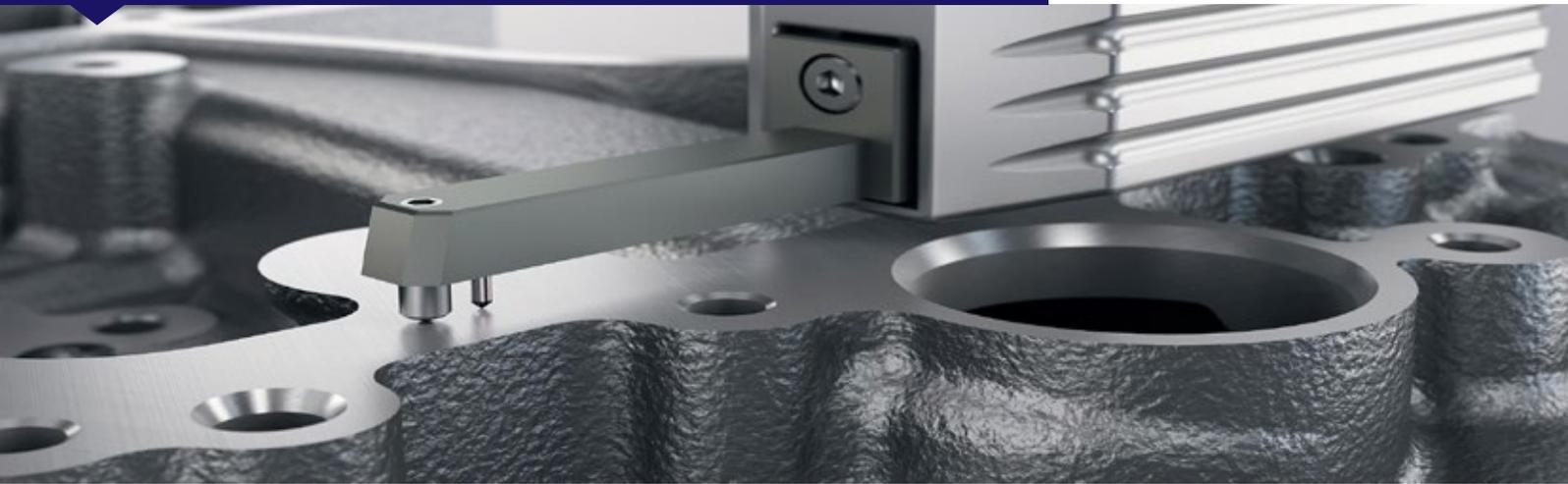


# SURFACE ROUGHNESS TESTING



FOR ALL YOUR INSPECTION NEEDS



## Principle

Roughness is a measure of the texture of a surface. It is quantified by the vertical deviations of a real surface from its ideal form.

If these deviations are large, the surface is rough; if they are small the surface is smooth. Roughness is typically considered to be the high frequency, short wavelength component of a measured surface.

Roughness plays an important role in determining how a real object will interact with its environment.

Rough surfaces usually wear more quickly and have higher friction coefficients than smooth surfaces.

Roughness is often a good predictor of the performance of a mechanical component, since irregularities in the surface may form nucleation sites for cracks or corrosion.

