

CONTACT MAPPING OF SOLID SURFACES

TAYLOR HOBSON LTD, FORM TALYSURF SERIES 2

Contact profilometer Form Talysurf Series 2 (FTS2) is a leading hardware and software tool for mapping the surfaces of solids. Resolution in vertical direction reaches the values of the order of nanometers and measurement is reliable in the temperature range from -15 to +30 °C at relative humidity of 10-80%.

ACQUIRED INFORMATION

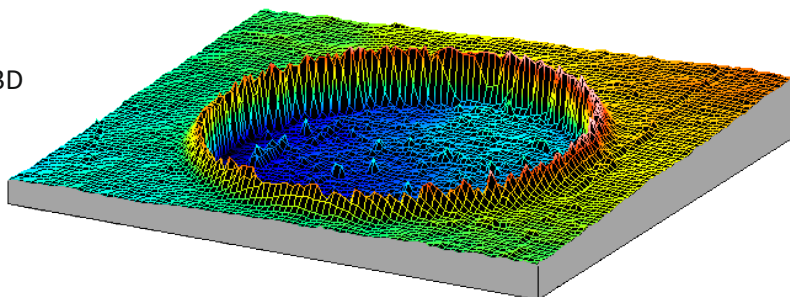
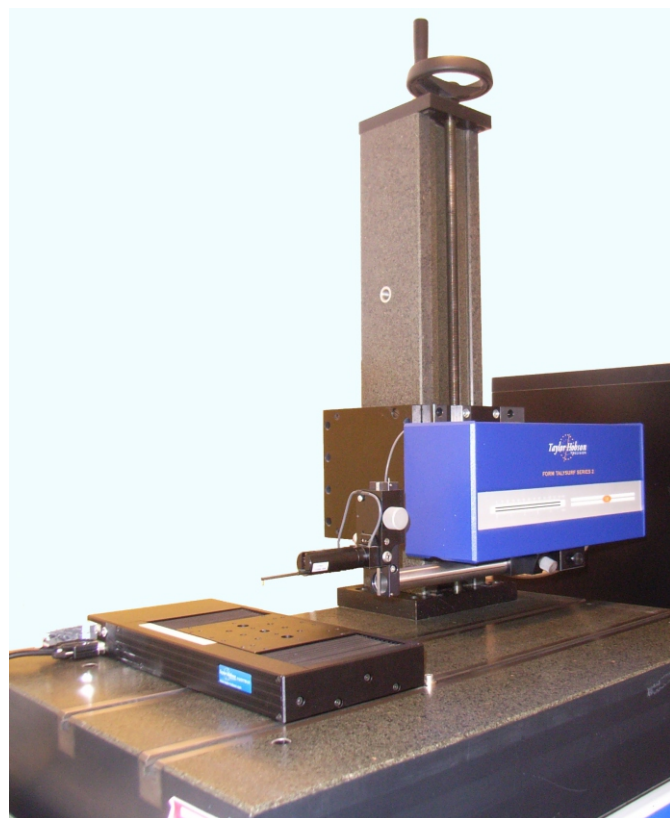
- > Measurement and subsequent analysis of shape and surface roughness of any solids
- > 3D image of a surface
- > Other acquired data for instance: measured radius of a sphere, thickness of thin layers, plotting the Abbott-Firestone curve, perimeter of selected areas, volume or surface area of hole or peak

SAMPLE TYPES

- > Any solid surface

MODES, CONDITIONS AND PRECISION

- > Linear measuring lengths up to 120 mm
- > Vertical measurement ranges:
 - o 0.832, 0.167 and 0.033 mm with resolutions 16.0, 3.0 and 0.6 nm
 - o 27.8 mm with three types of stylus and resolution of 434 nm
- > Maximum mappable area 100x120 mm
- > Stylus force of 2 mN or less
- > Advantages: measurement does not depend on the optical properties of a surface, wide range of 2D and 3D scanning, high resolution in vertical direction, comprehensive assessment of surface texture



3D image of the crater in zinc coated steel sheet created during spectral analysis.

DETAILED INFORMATION ON REQUEST



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