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Form Talysurf Intra Contour

This latest portable shop floor contour system in the Form Talysurf range offers a wide range of 32mm to accommodate even the largest features on typical components with enough resolution to detect the smallest contour deviations (120nm) (super precision mode delivers 25nm over a 6.4mm range). A 20mm range pickup option offers 75nm resolution (15nm over a 4mm range).

Features include:

- Z measurement range up to 32mm (120nm resolution)
- Contour and surface roughness measurement using the same gauge and stylus
- Extremely high accuracy straightness datum delivers dependable results over full 50mm traverse length (<0.3µm/50mm)
- Unique and patented calibration method for fast, accurate calibration or Z gain. arcuate motion and tip geometry
- 0.5µm horizontal data spacing for optimum angle and radius measurement

Advanced contour software:

- Basic contour analysis software includes full dimensioning toolkit for arc, radius, angle and dimension
- Advanced contour software includes auto-dimensioning, auto tolerancing, DXF import and gothic arch and V-groove analysis

Applications include:

- Bearing groove profiles (for dimensions and roughness)
- Wear on component profiles (comparing with original drawings)
- Brake callipers (profile of undercuts and/or surface finish in grooves)
- Screw threads, ball screws, bone screws

Contact us for further information or to arrange a demonstration



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