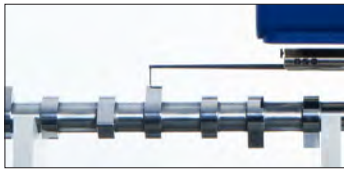


Form Talysurf® i-Series

A high resolution instrument range offering
automated surface and contour inspection



The Form Talysurf i-Series

A high range high resolution system for contour and surface finish measurement

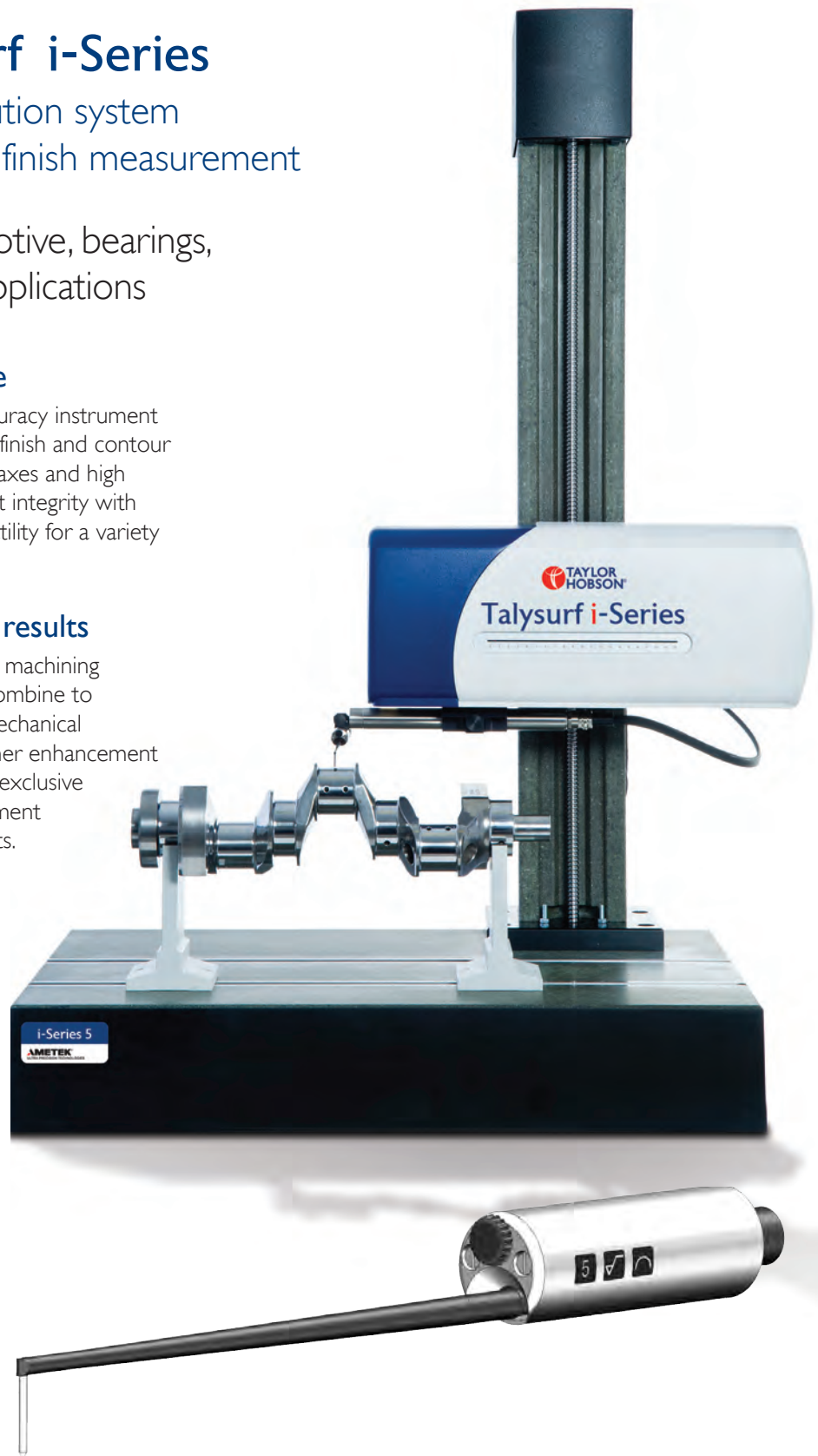
Ideally suited for automotive, bearings, gears and many other applications

Surface and Contour in One

The Form Talysurf i-Series is a high accuracy instrument range capable of simultaneous surface finish and contour measurement. The system's low noise axes and high resolution gauge ensures measurement integrity with choice of gauge ranges providing versatility for a variety of applications.

Reproducible measurement results

Decades of experience, ultra precision machining expertise and FEA optimized design combine to provide low noise and near flawless mechanical execution of the measuring axes. Further enhancement via the use of traceable standards and exclusive algorithms effectively eliminates instrument influence from the measurement results.



1 2 5

Gauge

Gauge Range
Up to 5 mm

Resolution
Down to 0.4 nm



Roughness

Noise
Less than 6 nm Rq



Contour

LS Arc Measurement
Less than 3.3 μm

Pt Less than 0.25 μm



Temperature

Temperature compensation
ensures consistent system
performance

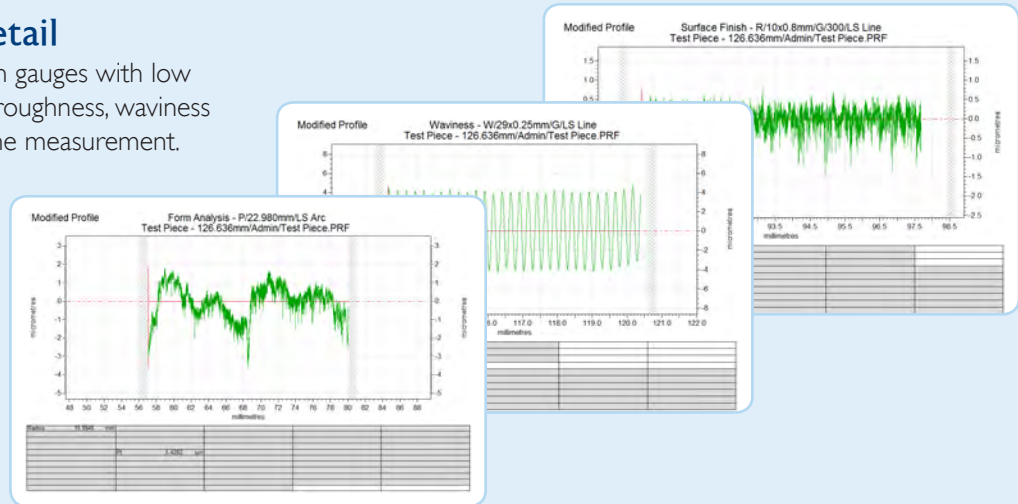
Unparalleled measurement capability

Surface finish, Contour and 3D

1

Surface detail

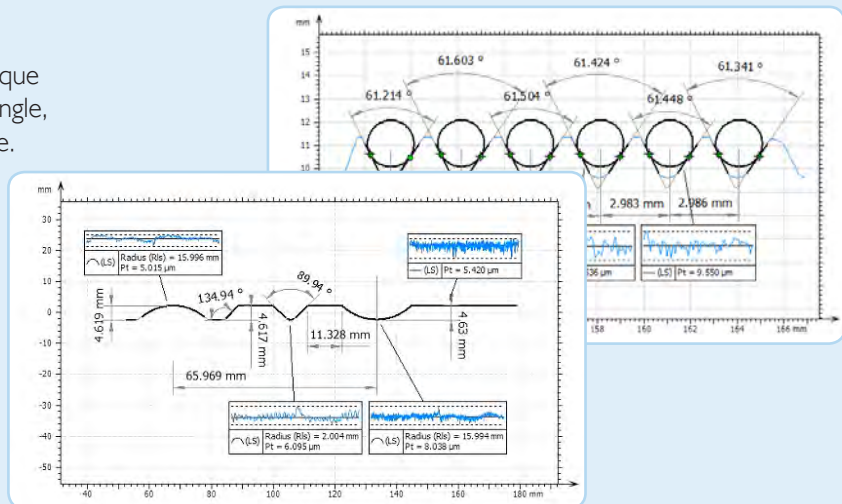
High resolution gauges with low noise enables roughness, waviness and form in one measurement.



2

Contour

Our patented calibration technique enables measurement of radii, angle, height, length, distance and more.



3

3D

Using an optional motorized Y-stage and Talymap, transform your conventional 2D measurement in to a 3D analysis tool.

