

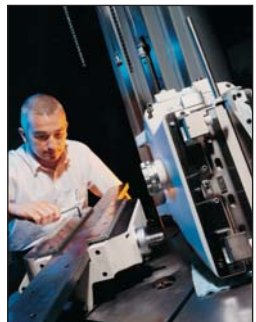
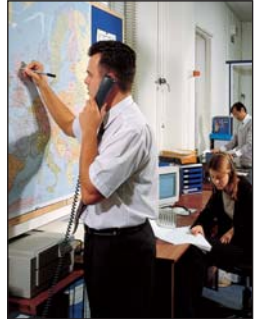
A worldwide reputation

Taylor Hobson is the definitive name in the manufacture of surface finish, form and roundness measurement systems, as well as electro optical alignment and leveling inspection instruments. Founded in 1886 in Leicester, UK, our reputation for excellence is built on more than 100 years of product innovation and engineering integrity.

Our understanding of the different needs of our customers has helped our business grow into a leading global operation, with local agents and subsidiaries equipped to provide the highest customer service in over 50 countries.

Taylor Hobson's vast metrology expertise ensures that our customers remain at the cutting edge of their industries. We offer a "try before you buy" program and a product consultancy service that enables customers to find the most suitable instrument(s) for their measurement application as well as their budget.

And our support doesn't stop there. Once our customers have decided on a product, we will install it, test it, train the operators how to use it and provide expert technical support during its entire lifetime.



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TAYLOR HOBSON
A8248 ISO9001

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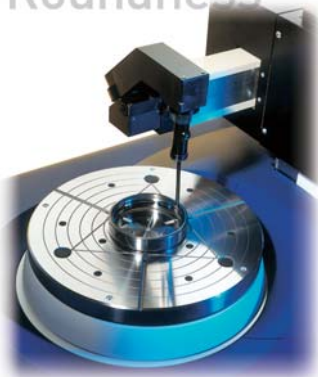




Surface finish

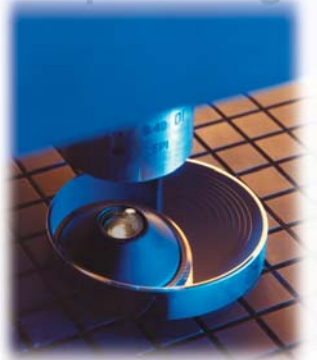


Roundness



Precision
metrology
products

3D profiling



Serving a global applications???

Taylor Hobson delivers measurement systems that are manufactured to meet the most exacting standards of our customers, from traditional manufacturing industries to research and development institutions worldwide.

Optics

- precision aspheric lenses and mirrors
- contact lenses and lens mold tools
- LCD /flat panel displays
- fibre optics
- DVD/CD drives, scanner, printer/head-up display
- lenses

Bearings

- tapered roller bearings
- cylindrical roller bearings
- high precision ball bearings
- mechanical tappets
- inner and outer races
- linear slides

Automotive

- camshafts & crankshafts
- connecting rods
- engine blocks
- valve guides
- cylinder blocks & bores
- fuel injectors
- pistons

Aerospace

- turbine blades
- tool holders
- transmissions

Medical

- hip and knee joints
- skin & teeth
- hearing aids
- artery stents

Electronics

- PCBs
- ink cartridges
- mobile phone key pads
- consumer goods

General Engineering

- metal cutting tools
- shipbuilding
- hydraulics

Miscellaneous

- materials research
- printing
- abrasives

Worldwide Services

- design engineering
- inspection services
- metrology training
- preventative maintenance
- operator training
- precision manufacturing
- UKAS calibration & Test



Surface Finish Products

Surtronic Duo

Roughness analysis

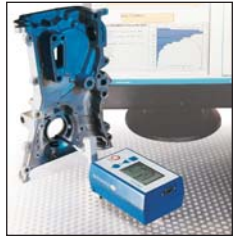
Battery powered, portable roughness checker available in two versions: Ra and Rz or Ra, Rz, Rp, Rv and Rt. Pre-set to industry standards, the cycle time is less than 5 seconds.



Surtronic 25

Roughness analysis

Battery powered, high performance workshop instrument with selectable parameters, cut-off lengths and filters and a wide range of interchangeable pick-ups and accessories.



Form Talysurf Intra

Roughness, waviness and form analysis

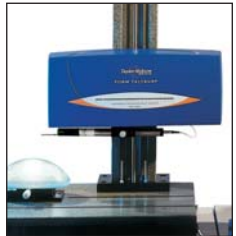
Intra moves easily from clean room to shop floor. It can be used with the Processor Control Module for completely portable operation or with a PC to function as a dedicated inspection station...or both.



Form Talysurf Inductive

Roughness, waviness and form analysis

Choose either a 120mm or 200mm high accuracy horizontal traverse unit. Both systems include a large granite work-table, 450mm motorized vertical column and programmable, automated operation.



Talysurf CLI

3D & 2D Surface finish analysis

Rapid 3D scanning with a choice between inductive stylus gauge or non-contact laser or both. Talysurf CLI leads the industry in flexibility. Includes powerful yet easy to use Talysurf 3D software.

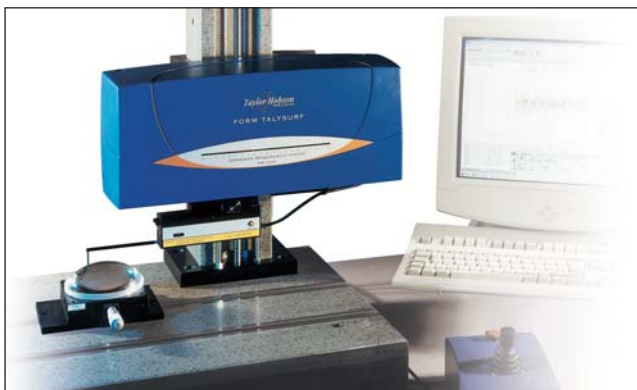


Surface Finish Products

Form Talysurf PGI Series - wide range and high resolution

Simultaneous measurement of contour, form and surface texture

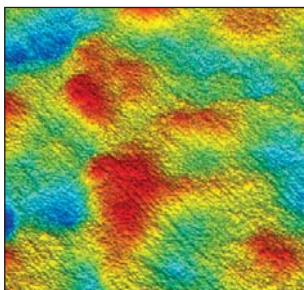
- a comprehensive range of high performance measuring systems that offer exceptional productivity for a limitless variety of applications and budgets
- suitable for all inspection requirements; PGI gauges are available with 4, 6, 8, 10 or 12.5mm of range and 120mm or 200mm of horizontal travel
- with 12.5mm of range and 0.8nm resolution, the Form Talysurf PGI 1240 system is ideal for the highest levels of precision manufacturing applications



Talysurf CCI - high speed, non-contact, sub-angstrom resolution

3D analysis of texture, film thickness, step height and other critical dimensions

- Coherence Correlation Interferometry provides high measurement resolution and exceptional sensitivity to a wide range of surfaces and materials
- more than 1,000,000 data points provide excellent graphic visualization and reliable calculation of area, volume, height, lateral distance and roughness
- system configurations are available for every application and budget



Roundness Products



Talyrond 365 Roundness / Cylindricity systems

Automation, accuracy, high performance and exceptional value

- modular concept - choose from a range of 10 products
- automatic gauge calibration virtually eliminates set-up errors
- automatic centering and leveling improves repeatability and through-put

Talyrond 395 Fully automatic circular geometry systems

Expanded capacity, enhanced capability for demanding applications

- vertical and horizontal measuring axes have superior straightness and positional control accuracies for multiple feature geometry analysis
- bi-directional air bearing spindle with accurate positional control
- motorized gauge head for automatic ID or OD orientation
- high speed axis movements reduce cycle time for large components

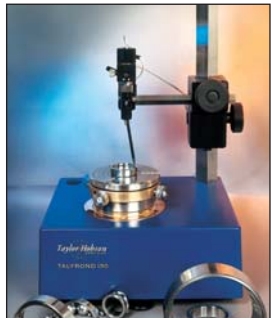
Talyrond 100 Series

Workshop roundness analysis

Roundness measuring instruments for the workshop or clean room.

Ultra precision air bearing spindle and high resolution gauge head provide high accuracy at an affordable price.

Motorized column and cylindricity analysis are available on selected instruments.



Roundness Products

Talyrond 440

Heavy duty roundness analysis

Automated roundness and form geometry measurement for cylindrical components to 1000mm height and 225kg weight. Highly stable datums offer exceptional accuracy and the motorized gauge head provides programming flexibility.



Talyrond 450

The ultimate large scale roundness instrument

High precision roundness and form geometry analysis of large, heavy or non-concentric components such as engine blocks and cylinder heads. 1000mm height, 1000kg load capacity,



Alignment instruments

Autocollimators

For checking, measuring, indexing and monitoring angles.

Electronic Levels and Clinometers

Precise angle and level measurement.

Micro Alignment Telescope

For checking alignment, flatness, level straightness, squareness, and parallelism.



Engineered systems

Design and build services for special applications

Our engineers design and build special purpose metrology equipment to suit complex inspection problems, to speed the inspection process or to ruggedize inspection systems for shop floor use.

