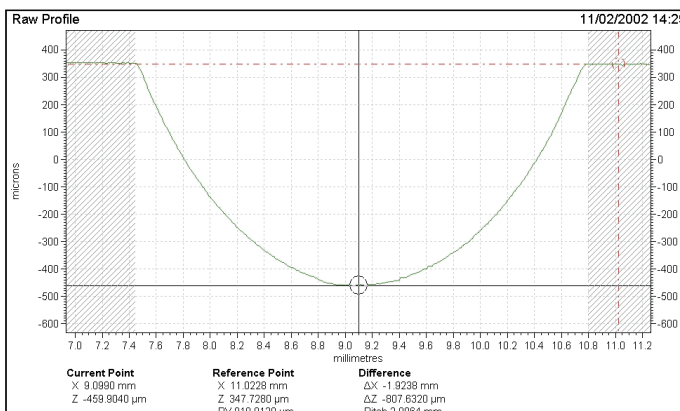
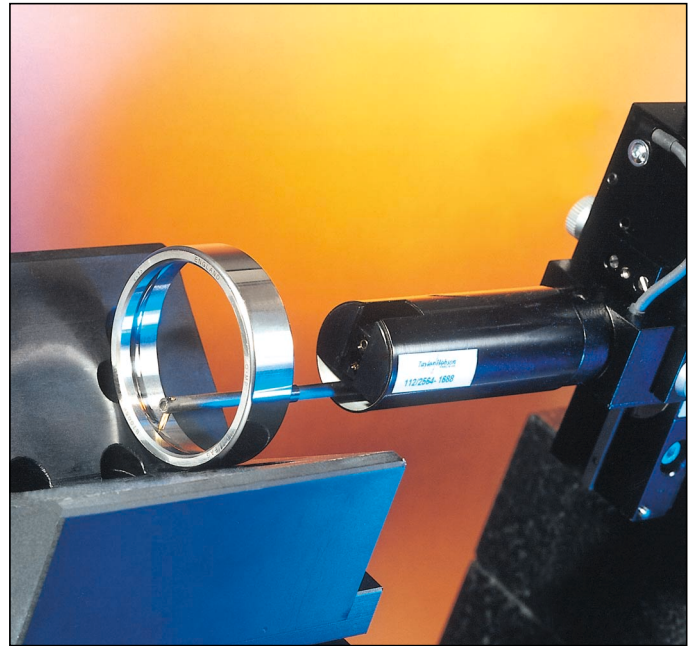


Precision Solutions for Surface Finish and Contour Measurement

The original Form Talysurf, launched in 1984, was the first instrument ever to measure texture, form and contour simultaneously. Now, our newly developed Form Talysurf Intra measurement system has reinforced Taylor Hobson's leadership position and created a new global standard for the assessment of surface finish and form. With a full millimetre of range, a wide selection of interchangeable styli and a patented calibration routine, the Intra system is ideal for almost all high precision applications.

Form Talysurf Intra System Features and Benefits

- 1mm vertical range / 16nm resolution**
 Delivers form (contour) as well as surface finish measurement capability for precision metal forming and other applications.
- 50mm horizontal traverse**
 Ideal for the majority of shop floor applications. The unit combines both accuracy and portability.
- 0.40um / 50mm straightness error**
 The high accuracy traverse datum makes possible skidless measurement of waviness, form and contour, even on large components.
- 0.5um horizontal data spacing**
 Small components and features can be measured more effectively than ever before. Reduced run-up and run-down length further improve usability.
- Manual column**
 For large or tall components the available manual column provides a stable, dedicated work station for improved throughput.



Taylor Hobson delivers an excellent investment

- Save money with flexible, modular system configurations
- Improve accuracy with our patented calibration routine
- Save time with multi-tasking measurement systems
- Increase productivity with automatic, unattended operation
- Prevent mistakes with programmed measurement routines

Ultra Software - comprehensive surface finish analysis

Form Talysurf Intra System include everything important to the measurement of surface finish. Fundamental roughness and waviness parameters are included, plus form error analysis, feature exclusion, zoom tool and full programmability for shopfloor applications.

- Form Analysis***
 Measure and evaluate Radius, Angle (Slope) and Dimension
- Simple User Interface***
 Combines with system programmability to deliver a true shopfloor solution; custom designs available.
- Dual Profile Analysis***
 Allows comparison of measurements for wear, tolerancing, etc.
- Ultra Contour Analysis**
 Separate software utility for dimensional applications, allowing design data and measurements to be directly compared, and error results obtained. Special hardware is also available for wide-range applications.
- Talymap 3D Analysis**
 Separate software utility for topography applications; special hardware is also required.

*Ultra Software Licence Options

Serving a global market

Taylor Hobson is world renowned as a manufacturer of precision measuring instruments used for inspection in research and production facilities. Our equipment performs at nanometric levels of resolution and accuracy.

To complement our precision manufacturing capability we also offer a host of metrology support services to provide our customers with complete solutions to their measuring needs and total confidence in their results.

Contracted Services from Taylor Hobson

- Inspection services**
 measurement of your production parts by skilled technicians using industry leading instruments in accord with ISO standards
- Metrology training**
 practical, hands-on training courses for roundness and surface finish conducted by experienced metrologists
- Operator training**
 on-site instruction will lead to greater proficiency and higher productivity
- UKAS Calibration and Testing**
 certification for artifacts or instruments in our laboratory or at customer's site

For the above services, contact our Center of Excellence:

email: taylor-hobson.cofe@ametec.com
 or call: +44 116 276 3779

- Design engineering**
 special purpose, dedicated metrology systems for demanding applications
- Precision manufacturing**
 contract machining services for high precision applications and industries
- Preventative maintenance**
 protect your metrology investment with a Talycare service cover plan

For the above services, contact our Sales Department:

email: taylor-hobson.sales@ametec.com
 or call: +44 116 246 3034



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TAYLOR HOBSON
A8248 ISO9001

Taylor Hobson France

Rond Point de l'Epine Champs
 Batiment D, 78990 Elancourt, France
 Tel: +33 130 68 89 30 Fax: +33 130 68 89 39
taylor-hobson.france@ametec.com



Taylor Hobson Germany

Postfach 4827, Kreuzberger Ring 6
 65205 Wiesbaden, Germany
 Tel: +49 611 973040 Fax: +49 611 97304600
taylor-hobson.germany@ametec.com



Taylor Hobson Italy

Via De Barzi
 20087 Robecco sul Naviglio, Milan, Italy
 Tel: +39 02 946 93406 Fax: +39 02 946 93450
taylor-hobson.italy@ametec.com



Taylor Hobson Japan

Sankyo Meguro Building 4-5-37,
 Kamiosaki, Shinagawa-Ku, Tokyo 141-0021, Japan
 Tel: +81 33494 5110 Fax: +81 33494 5119
taylor-hobson.japan@ametec.com



Taylor Hobson Korea

Hungkuk Life Building, 5th Floor 6-7, Soonae Dong
 Pundang-Ku, Seongnam, Kyungki-Do, 463-020, Korea
 Tel: +82 31 713 1371 Fax: +82 31 713 1372
taylor-hobson.korea@ametec.com



Taylor Hobson China Beijing Office

Room 2305, CITIC Building #19
 Jianguomenwai Dajie, Beijing, 100004, China
 Tel: +00 86 10 8526 2111 Fax: +00 86 10 8526 2141
taylor-hobson.beijing@ametec.com



Taylor Hobson China Shanghai Office

Part A, 1st Floor, Waigaoqiao Free Trade Zone
 Shanghai, 200131, China
 Tel: +00 86 21 58685111-110 Fax: +00 86 21 58680969-110
taylor-hobson.shanghai@ametec.com



Taylor Hobson Singapore

AMETEK Singapore, 10 Ang Mo Kio Street 65
 No. 05-12 Techpoint, Singapore 569059
 Tel: +65 6484 2388 Ext 120
taylor-hobson.singapore@ametec.com



Taylor Hobson USA

1725 Western Drive
 West Chicago, Illinois 60185, USA
 Tel: +1 630 621 3099 Fax: +1 630 231 1739
taylor-hobson.usa@ametec.com



Taylor Hobson UK

(Global Headquarters)
 PO Box 36, 2 New Star Road
 Leicester, LE4 9JQ, England
 Tel: +44 116 276 3771 Fax: +44 116 246 0579
 email: taylor-hobson.uk@ametec.com

