

Talyrond 450

For high precision inspection of roundness and cylindrical geometry on large, heavy or complex components.

The world's first roundness measuring instrument was produced by Taylor Hobson in 1949. We continue to lead the industry with innovative products developed to suit the most difficult requirements for roundness, form and circular geometry measurement.

Big not clumsy

These instruments can handle the heaviest loads with ease yet they still provide accuracies better than those available on many ordinary measuring systems.

Geometric analysis capability for Talyrond 450

- RONt** Roundness
- STRt** Vertical Straightness
- FLTt** Flatness
- ECC** Eccentricity
- SQR** Squareness
- STRt** Horizontal Straightness*
Parallelism
- CONC** Concentricity
- COAX** Coaxiality (ISO/DIN)
- CYLc** Cylindricity
 - Run out (radial and axial)
 - Total run out (radial and axial)
 - Harmonics
 - Partial Arc
 - Interrupted surfaces
 - Slope analysis

Optional Software

- Piston analysis
- Disk thickness analysis*
- Wall thickness analysis

*Only on TR440

Large or small parts

Although they are the obvious choice for heavyweight components, Talyrond 450 can also accommodate small, delicate components as well. Accuracy and repeatability are assured no matter how big or small the parts may be.



The Talyrond 450 with rotating gauge head is especially well suited for the measurement of non-symmetrical components such as cylinder blocks



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@ametek.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@ametek.com
 or call: +44 116 246 3034



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@ametek.com



Taylor Hobson Germany

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



Taylor Hobson India

1st Floor, Prestige Featherlite Tech Park
 148, EPIP II Phase, Whitefield, Bangalore - 560 006
 Tel: +91 80 6782 3200 Fax: +91 80 6782 3232
taylor-hobson.india@ametek.com



Taylor Hobson Italy

Via De Barzi
 20087 Robecco sul Naviglio, Milan, Italy
 Tel: +39 02 946 93401 Fax: +39 02 946 93450
taylor-hobson.italy@ametek.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@ametek.com



Taylor Hobson Korea

#310, Gyeonggi R&DB Center, 906-5, Iui-dong
 Yeongtong-gu, Suwon, Gyeonggi, 443-766, Korea
 Tel: +82 31 888 5255 Fax: +82 31 888 5256
taylor-hobson.korea@ametek.com



Taylor Hobson China Beijing Office

Room 2203, CITIC Building #19
 Jianguomenwai Dajie, Beijing, 100004, China
 Tel: +86 10 8526 2111 Fax: +86 10 8526 2141
taylor-hobson.beijing@ametek.com



Taylor Hobson China Shanghai Office

Part A, 1st Floor, No. 460 North Fute Road
 Waigaoqiao Free Trade Zone, Shanghai, 200131, China
 Tel: +86 21 5868 5111-110 Fax: +86 21 5866 0969-110
taylor-hobson.shanghai@ametek.com



Taylor Hobson Singapore

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

