

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.

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.



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.

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

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



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
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