



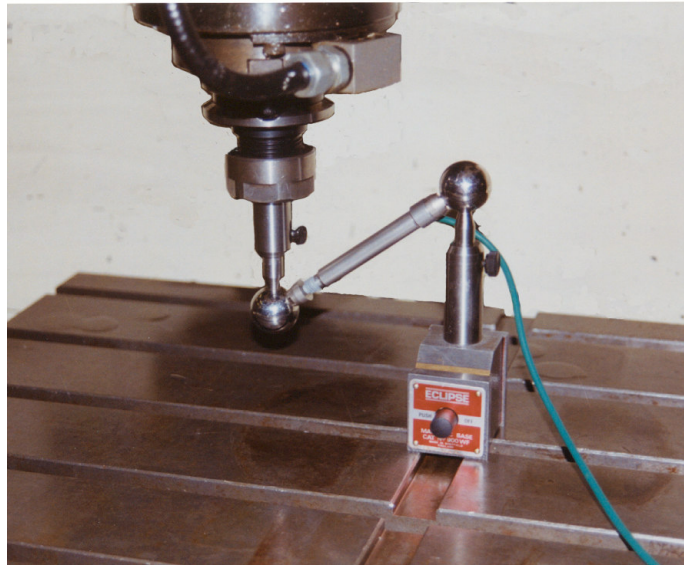
C. D. Measurements Ltd

SPECIALISTS IN ENGINEERING METROLOGY



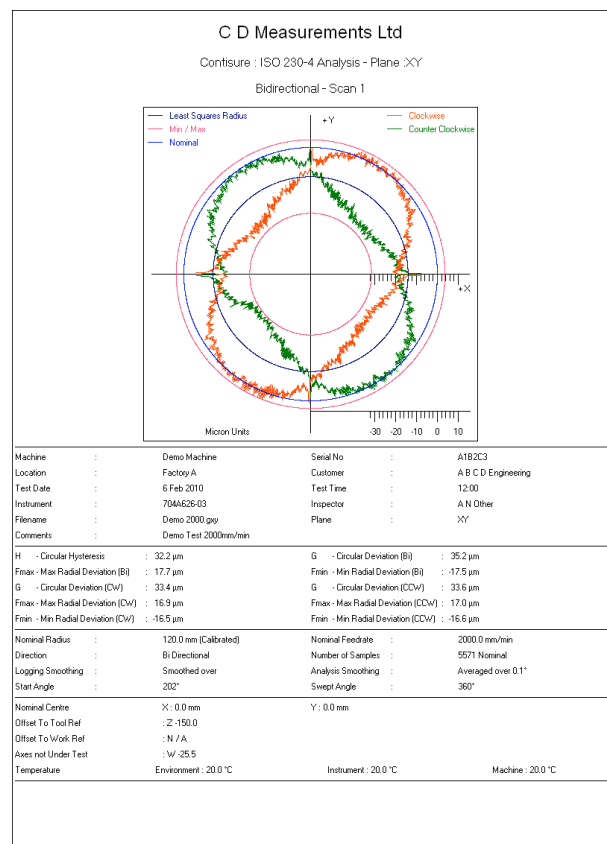
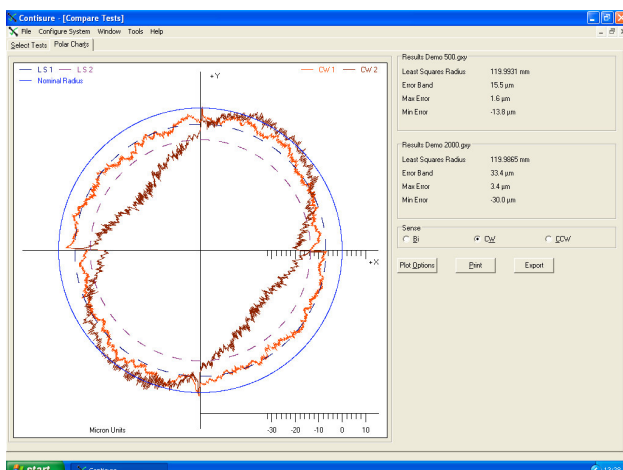
Contisure Ball-Bar System

A low cost circle testing system



Our latest Contisure ball-bar and Windows software renders monitoring the accuracy of CNC machine tools, using circular contouring tests, even more cost effective. This new version incorporates 20 years of practical experience and development, since the launch of our first patented ball link system. The new digital hardware has a resolution of $0.1\mu\text{m}$ over a 2mm range.

Easy set-up features include the ability to test three planes at one set-up, allowing rapid deployment on machining centres and lathes. The software incorporates an extensive range of features, to enabled rapid contouring assessment of machine tools.

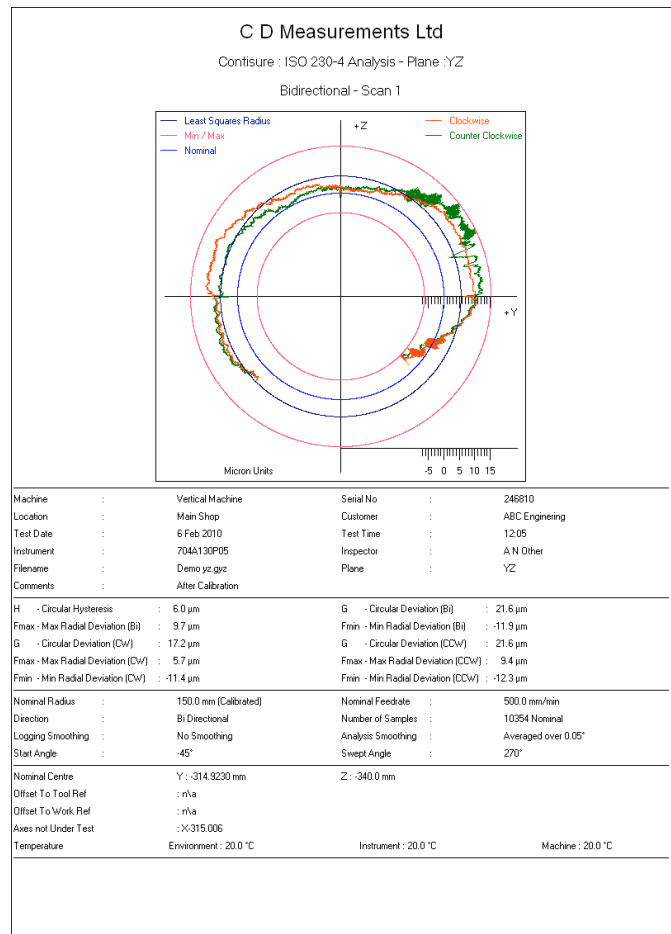


Hardware Features

- RS232, ISA, PCI and USB interface options.
- Grade 5 reference spheres for maximum accuracy
- High resolution (0.1 micron) digital transducer link of 120mm is supplied with carbon fibre extensions to increase nominal link length to 150 and 250mm. Other lengths can be supplied on request.
- Calibrated setting bar supplied complete with calibration certificate traceable to national standards.
- Easy set-up permitting the measurement of three planes for the same set-up.

Software Features

- Linear and polar plotting with certificates.
- ISO 230-4 analysis with certificate.
- Actual feedrate measurement.
- Partial arc measurement.
- Basic error diagnosis.
- Export certificate and graphs to clipboard or file for use in other applications.
- Variable smoothing during logging and or analysis.
- Part program generation for common machine tool controllers.
- Calculation of adjusted feedrates for ISO 230-4.
- Run in and run out adjustment.
- Comparison of different tests for trend assessment.
- Compatible with data from previous Contisure versions.
- Operates in Windows 95 upwards.
- Up to 14000 data samples per 360° scan.
- Results corrected for environmental conditions



CD Measurements Ltd.

Chomlea House, Hadfield Road, Hadfield, Glossop,
Derbyshire, SK13 2ER, United Kingdom.

Tel : 01457 852929 Fax : 01457 860619

email : sales@cdmeasurements.com