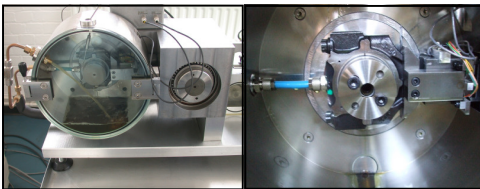
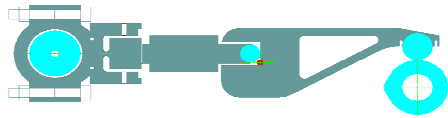
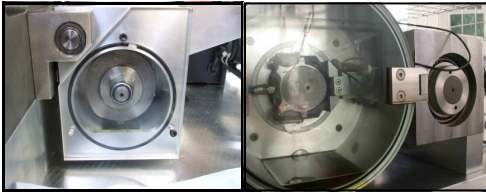


PCS Instruments

Journal Bearing Rig (JBM) presentation at STLE 2009



At this year's STLE meeting at Buena Vista, Florida Dr Clive Hamer of PCS Instruments will be presenting a paper on the Journal Bearing Machine (JBM) entitled "Measuring the Friction and Film Thickness in Real Journal Bearings".

The paper outlines how by incorporating actual journal bearings the JBM can accurately simulate the dynamic operating conditions experienced by those bearings in commercial gasoline and diesel engines. Research from a range of multigrade oils and operating conditions will be presented.

The paper will be given on Tue 19 May at 9.00am in Session D in room Coronada E. Copies of the presentation will be available later on the PCS website.

Performance Upgrade for MTM2

See it first at STLE 09

PCS Instruments are continually developing new and improved products.

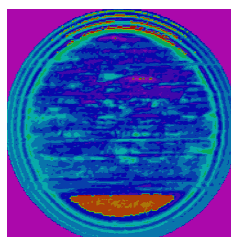
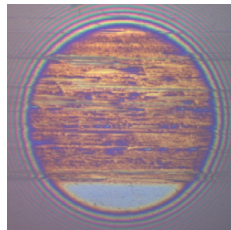
A new release of the MTM2 software is now available. The upgrade also includes hardware and high speed electronics firmware upgrade.

The new release features:

- Improved measurement accuracy and faster data logging, giving quicker turnaround between tests.
- Changes made to the 3D mapper option (visualisation and measurement of the additive film build up layer), giving the user the option of measuring the same position on the ball.
- Improved and easy to follow calibration procedures.

- New robust, simple and intuitive profile editing program, which is now a stand-alone program. This can then be installed on other PCs (Windows XP/ Vista compatible).

- Updated data processing and file management software allowing longer and more complex tests to be run.



Images taken with MTM 3D Mapper options

PCS Instruments

- > World leader in tribology test equipment
- > Development and production of automated bench top fuel and lubricant test equipment
- > Worldwide customer base of oil and lubricant manufacturers
- > Over 20 years experience in the field of tribology
- > Fuel test equipment meets international test standards, ISO, ASTM and CEC

Contacts

78 Stanley Gardens
London, W3 7SZ, UK

T: +44 20 8600 9920

F: +44 20 8600 9921

www.pcs-instruments.com

E: info@pcs-instruments.com

New Fully Automated EHD Rig

On show at WTC Kyoto 2009

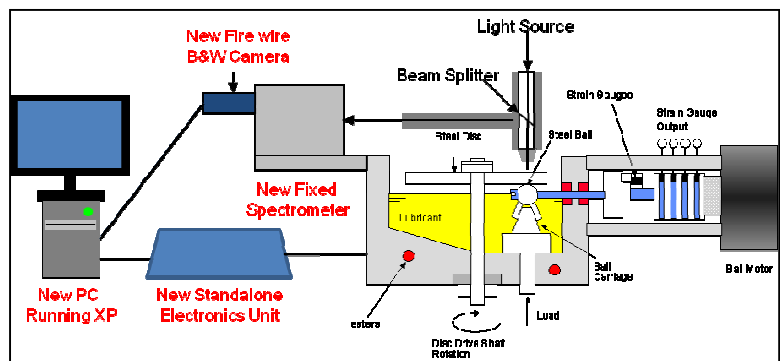
Upgrade for existing users

Following on from the successful upgrade of the MTM system to the MTM2, PCS are pleased to announce improvements to their current Elastohydrodynamic Lubrication rig (EHD). The new EHD2 rig will have all the benefits of the existing EHD rig but will have the following added advantages :

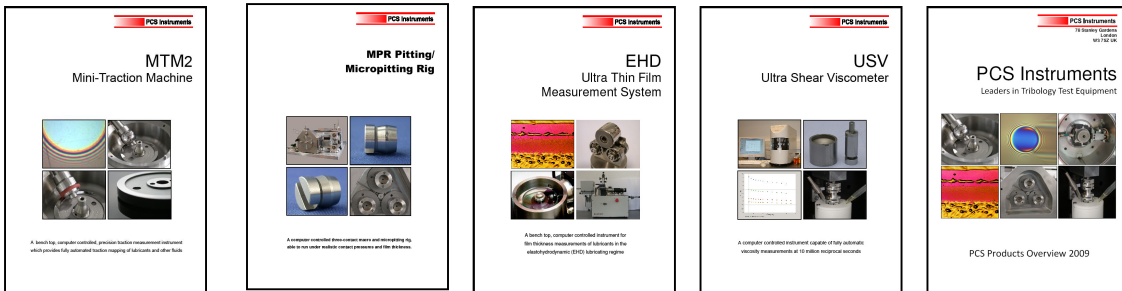
- Existing EHD rigs can be upgraded to the new EHD2 specification. New fixed grating spectrometer replacing manually adjusted spectrometer

Contact PCS Instrument for further details or visit the exhibition booth at WTC 2009.

- New software running on Windows XP
- Profile generator – pre-set loads, temperatures and speeds can be specified before the test is run
- Fixed spectrometer – interference order automatically calculated during the test
- Zero film manually set at beginning of test - the machine then automatically runs up to temperature
- Full film thickness plots automatically taken at requested speeds, loads and temperatures
- No requirement for user intervention after zero film thickness established
- 3D mapper images (full contact visualisation) automatically taken at set speeds, loads and temperatures



PCS Instruments Products



There is a full range of brochures and leaflets on PCS products which can be downloaded from the PCS website or can be sent to you - simply complete the on-line enquiry form on the website www.pcs-instruments.com.

Copies of presentations or papers can also be provided via this enquiry form.

Exhibitions and events

At last years 6th International Conference on Industrial Tribology (ICIT '08) hosted by the Tribology Society of India in New Delhi from 6-8 November, Dr Rich Baker of PCS Instruments was invited to make a Key-note Address to delegates on "The Effect of Additives on Macropitting Failure using a Three Contact Disc Rig".

Copies of the presentation are available on the PCS website

Over the coming months PCS Instruments will be attending the following meetings and exhibitions:

- Additives, York, April 2009
- STLE, Orlando May 09
- ASTM, Norfolk, June 09
- World Tribology Conference, Kyoto Sept 2009
- ASTM, Anaheim, Dec 09

- TAE Esslingen, Jan 2010

If you are planning to attend any of these meetings please get in touch with PCS Instruments - they'll be pleased to meet you and to discuss with you their range of products.