

**ORBIT**



# IndiaTrib - 2022

December 12-14, 2022

New Delhi, India

Tribology for Energy,  
Environment and Society

Visit us on:

**Booth No. 6**



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## PLENARY SPEAKERS



**Bhushan, Bharat**  
Academy Professor  
The Ohio State Univ., USA



**Bijwe, Jayashree**  
Professor, Indian  
Institute  
of Technology Delhi,  
India



**Carpick, Robert**  
Professor, Univ. of  
Pennsylvania, USA



**Erdemir Ali**  
Professor, Texas A & M  
University, USA

## LUBRICANT IMPEDANCE IN ROLLING BEARINGS

### E- Lube Tester

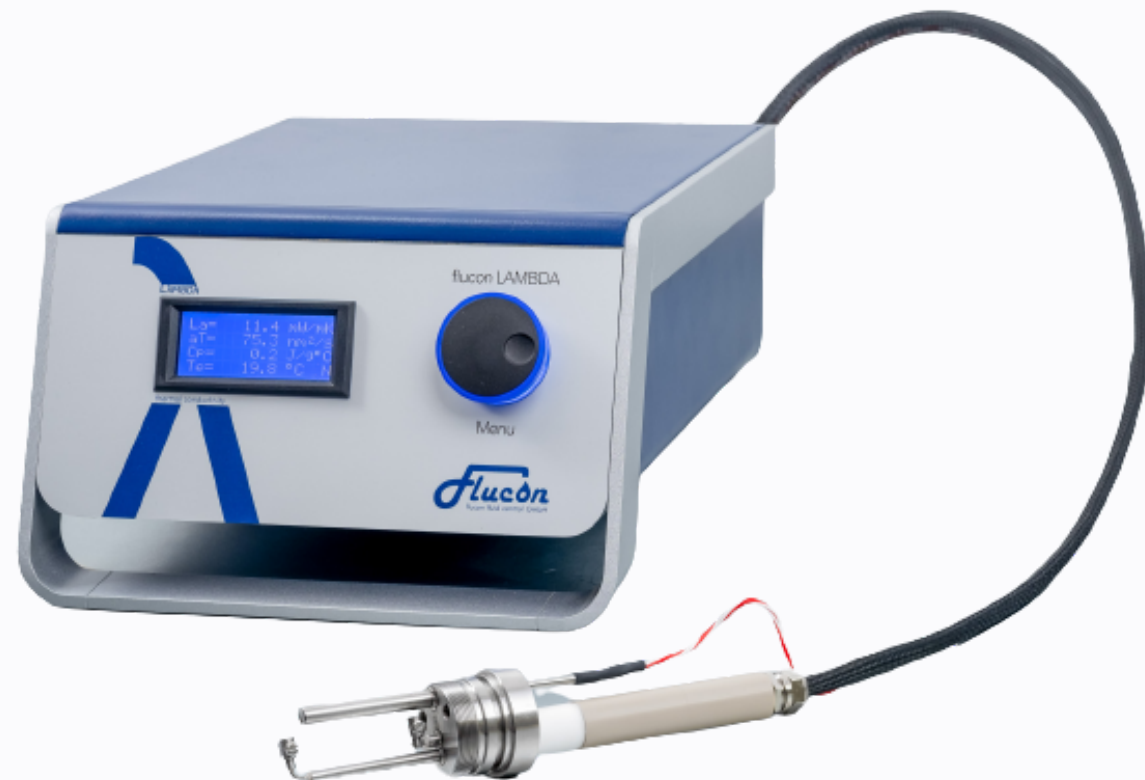
Test rig for the characterization of the electrical lubricant properties in rolling bearings by use of the FBT four-ball tester. With the help of E – Lube Tester it is now possible to determine the lubricant impedance directly in the rolling bearing, under real process conditions.

#### Key features:

- Determination of Ohmic Resistance and Capacitance.
- EDM analysis (Short-Circuit-Scan).



## DIELECTRIC AND THERMAL PROPERTIES OF LUBRICANTS



### Thermal Conductivity Meter

LAMBDA is a compact and operator-friendly transient hot wire instrument for quick and accurate thermal conductivity measurements of Lubricants as well as nanoparticle dispersions/Nano fluids.

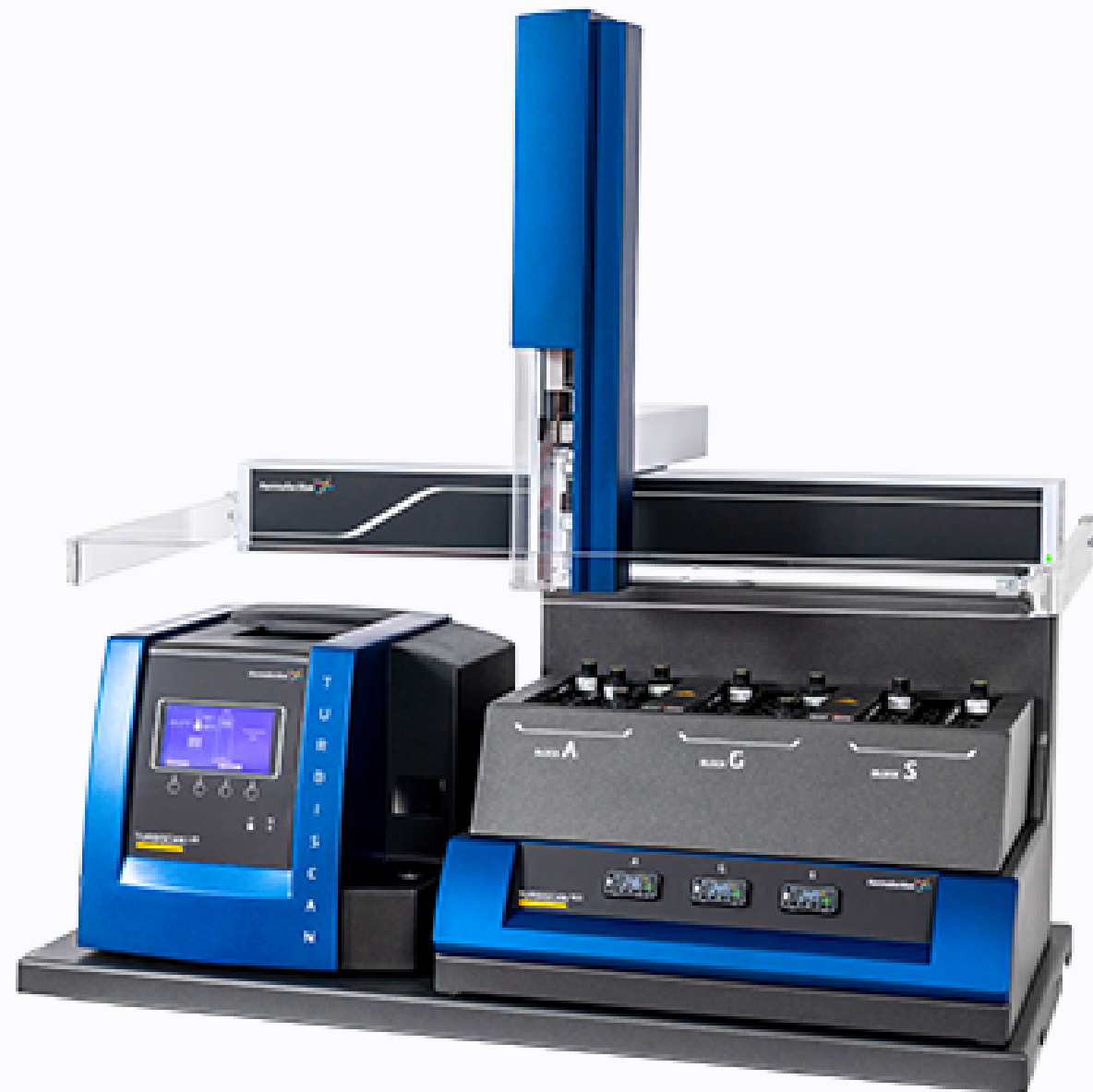


### EPSILON Plus

A compact laboratory measuring device that is used dielectric properties (Specific Electrical Conductivity, Relative Permittivity) measurements of lubricants and operating liquids

## ACCELERATED STABILITY TEST FOR LUBRICANTS

### Turbiscan -AGS



**Turbiscan AGS – Used to Analyze fast and quantified Stability of Lubricants, Emulsion / Suspensions by Optical methods. Its Robotic Technology makes it easy to analyse 54 samples with temperature range up to 60 deg.**

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# KRÜSS

## INSTRUMENTS FOR WETTING & ADHESION ANALYSIS



### MSA - Mobile Surface Analyzer

A Portable Instrument to measures Surface Free Energy automatically and extremely fast with just one click.



### AYRÍIS

A Stand-Alone Instrument to measure Wettability by 3D contact angle using water with just one click.

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**Conference Venue**  
**Eros Hotel Nehru Place,**  
**New Delhi**

