



Serbian Tribology Society has developed a new group of tribometers for measuring of tribological characteristics of solid materials, coatings and lubricants according to ASTM standards.

The Tribometers Block on Disk and Pin on Disk in addition to continuous rotating motion is possible to perform oscillatory movement of the selected length of the circular path.

For the linear oscillatory motion was developed Tribometer Pin on Plate with a choice of different amplitude size and the oscillations up to 50 Hz.

Tribometer Disk on Disk was developed for measuring tribological characteristics of solid materials and lubricants used in gear pair and other couples where slide/roll contact appear.

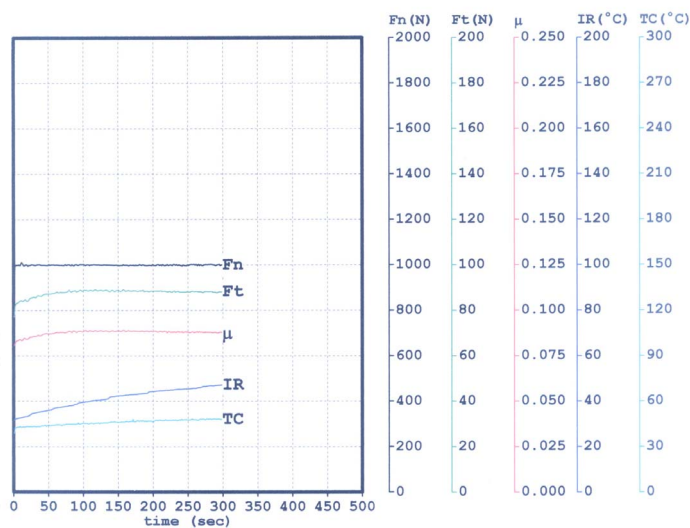
Software for all types of our tribometers has developed on a joint basis with minor modifications for each particular tribometer.

Terms under which contact between triboelements (sliding speed, normal load) can be realized depend of the requirements of researchers.

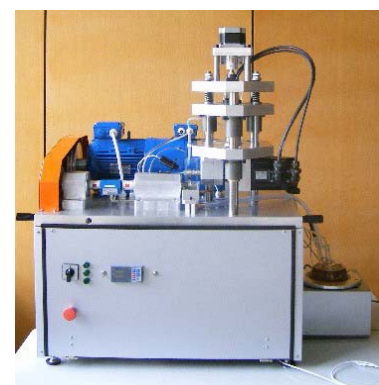
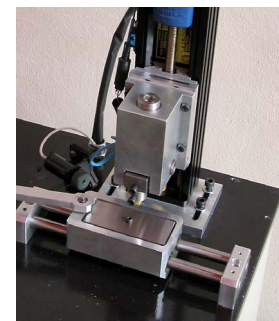
Tribometers are Reliable, Easy to Operate and Maintain, Wide Load and Speed Range and Low cost.

Tribometers are used today in laboratories in Greece, Spain and England.

The example of experimental results



Lower disk: $D = 40$ mm, $n = 1000$ rpm
 Upper disk: $D = 10$ mm, $n = 2000$ rpm
 Contact pressure: 1342 MPa



Disk on Disk and Block on Disk