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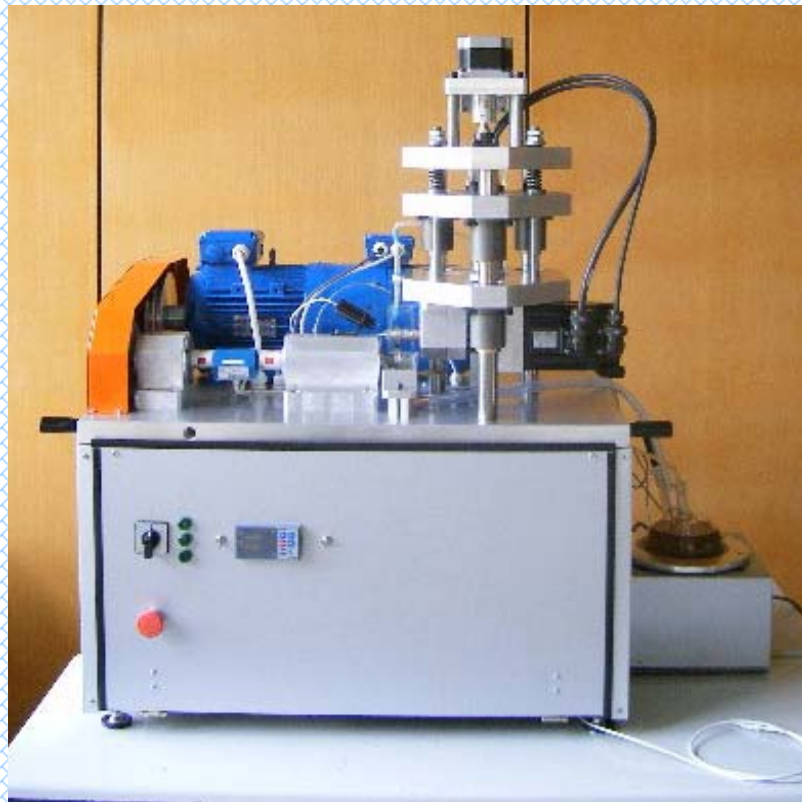
PRI/MA  
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# Tribometer UT-07

for

*Disk on Disk (slide/roll contact), Block on  
Disk and Pin on Disk with continual and  
reciprocating moving tests*

*Measurement of Tribological Properties of Solid Materials  
and Lubricants*



**Reliable**

**Easy to Operate and Maintain**

**Wide Load and Speed Range**

**Low cost**

The structure of Tribometer

- Disk on Disk for **rolling/sliding tests**
- Lubrication equipment
- Adapter for **Block on Disk test**
- Adapter for **Pin on Disk test**
- Adapter for **Linear reciprocating test**
- PC Controls and full data acquisition
- Software (Windows compatible)

Tribometer UT-07 has modern design, contemporary electronic devices and very useful Measurement Software for Windows application. The main elements of this tribology machine are made of steel and Al alloys.

The key features

Speed Range for both Disks	0 – 4000 rpm
Slip rate	0 – 100%
Torque Tmax	10 Nm
Load range	0 - 4000N
Contact pressure	0 – 3000 MPa
Disks diameters	10 – 50 mm
Servo motor	1,5 kW
AC motor	3,0 kW
Step motor	3,0 Nm

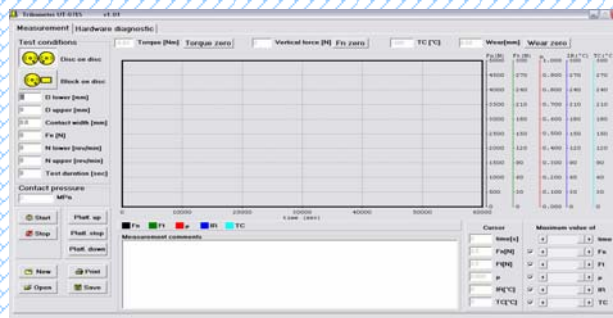
Software (Windows applicable) gives possibility

- Selection Lower and Upper Disk diameters in mm
- Contact width in mm
- Normal Load in N
- Selection speeds (rpm) for both Disks
- Contact duration(in sec)

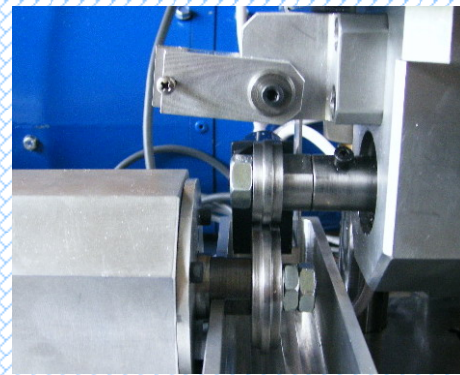
During test the next magnitudes are follow on the screen:

- Normal load
- Friction force
- Friction coefficient
- Torque
- Contact pressure
- Wear (during long test)
- Temperature of Contact zone
- Temperature of contact layer (Block on Disk test)
- Temperature of lubricant in the bath

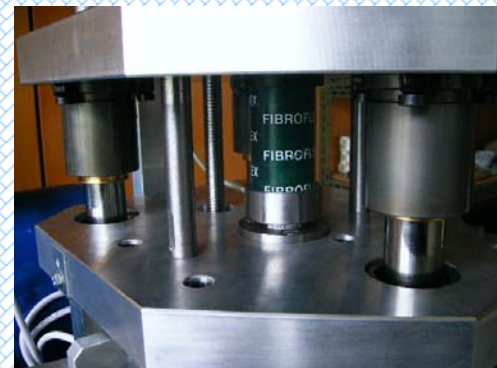
All data on the screen can be printed except contact pressure, torque and wear



Program notebook



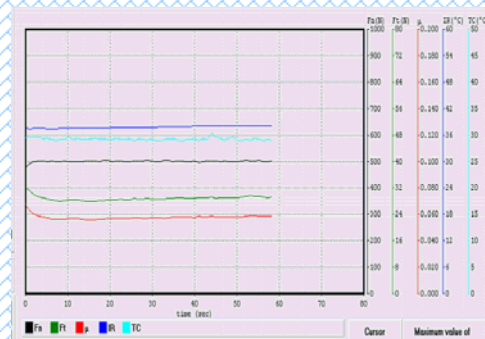
Disk on Disk contact



Load button and plastic spring



Torque rotary transducer



Experimental results