

Micro / Macro tribometer

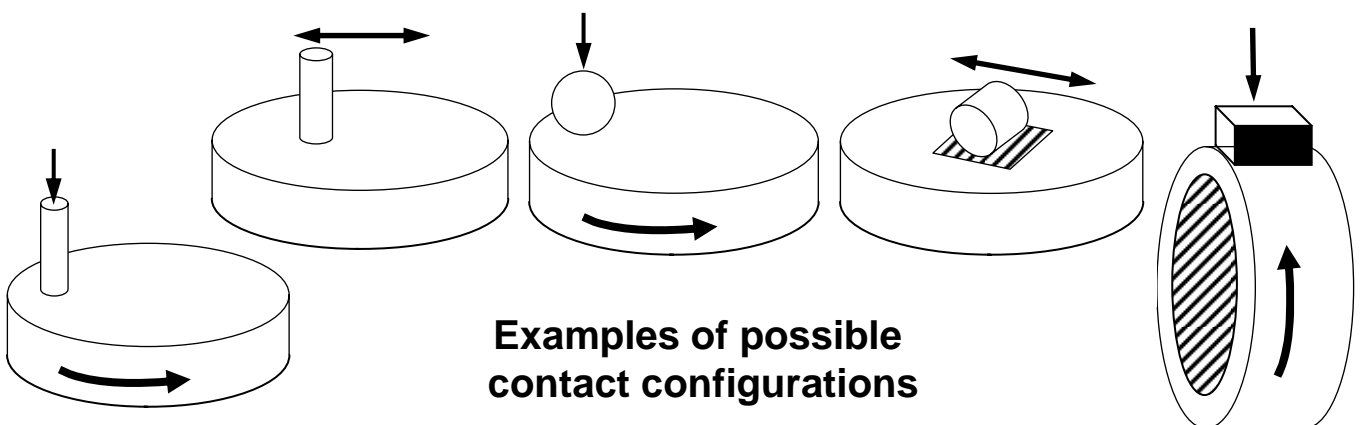


This is a multi-purpose machine, utilising a number of drive “modules” to permit the performance of a wide variety of tests, both on the micro- and macro scales. Wide ranges for loading and speed can be achieved with the different drive units available. A maximum temperature of 150°C is possible using heaters specially built to match the drive units. These can be used with both dry and fully lubricated contacts. Sensors allow, amongst other factors, friction, wear rate, temperature and loading to be monitored continuously. Acoustic and resistance signals can also be investigated, the latter being useful in detecting the formation or breakdown of insulating films or coatings.



TECHNICAL SPECIFICATIONS

Drive units: High and medium torque rotational drives; block on ring; horizontal reciprocating drive. Three load different cells. Temperature control (heating) units for all drives.
- Full details regarding technical specifications for each of the individual drive units, load cells and heating units are given in the corresponding data sheets.



Examples of possible contact configurations