



Prosim Pin-On-Plate Tribometer: Machine Specification

The **Prosim Pin-On-Plate Tribometer** is a multi-station machine designed for the reliable and repeatable study of tribometer material wear.

The Prosim Pin-On-Plate Tribometer meets the following apparatus requirements:

- **ASTM F732-00 (2011)** – Wear Testing of Polymeric Materials Used in Total Joint Prostheses

The Prosim Pin-On-Plate Tribometer includes numerous features and benefits:

- The frequency of motion is programmable up to 2Hz
- The counterface is fitted in a sample cup that is fitted with a lubricant level sensor.
- The nominal size of the counterface is a disk of diameter 57mm and thickness 3mm. As standard, 316-grade stainless steel counterfaces, polished to Ra=0.4um are supplied for each station of the machine
- The lower surface of the sample cup has an integrated heater and temperature control system that maintains the lubricant temperature at 37°C +/- 2°C
- The counterface has an alignment feature that allows it to be removed for examination and then refitted in the same orientation.
- A station-specific valve topping-up system maintains the lubricant levels