

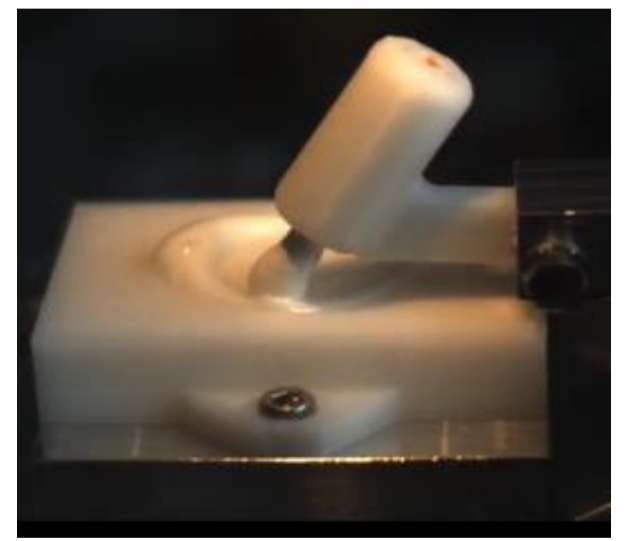
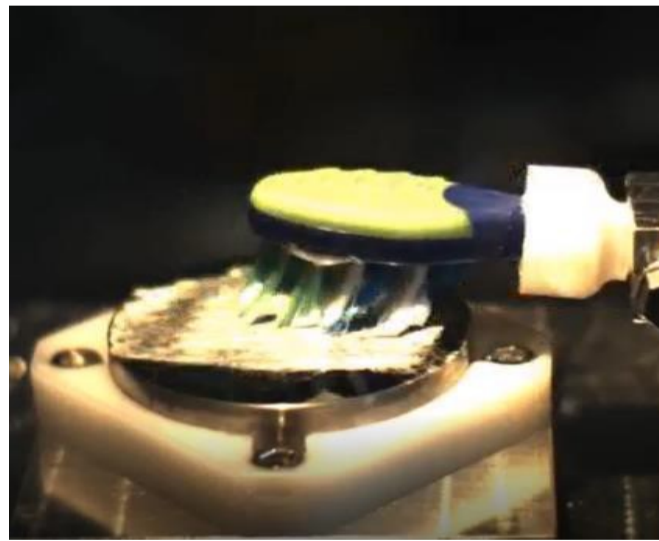
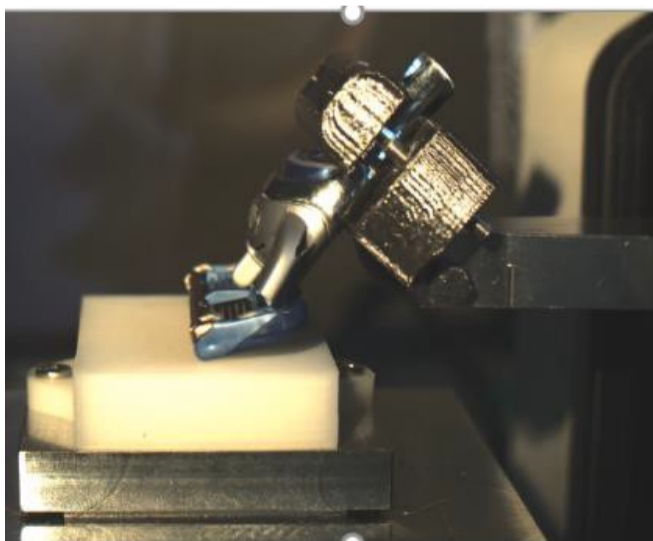
Bio-Tribology Machine

The BTM assesses the frictional properties of lubricants and greases within the Bio-tribology industry. It is designed specifically to mimic the motions of low load, low frequency applications with complex loading cycles.

Using a wide range of specimens, it can; differentiate between household brands, aid development of new or improved formulations and support research into alternative materials and coatings.

Applications:

- Teeth Brushing
- Shaving
- Application of personal care products (eg skin and sun creams, shampoo, cosmetics, nail varnish, hair spray)
- Mimicking oral behaviour, processing food and beverages
- Analysing the effects of fabric softener on clothes
- Simulating joint movement and wear in artificial joints



Specification:

Load	Dynamically varying between 0-5 N
Motion Range	20 μ m - 20 mm (in x and y)
Frequency	Min 0.01 Hz Max: 20 Hz (@ 20 μ m) or 5 Hz (@ 20 mm)
Temperature	Ambient to 70 °C.