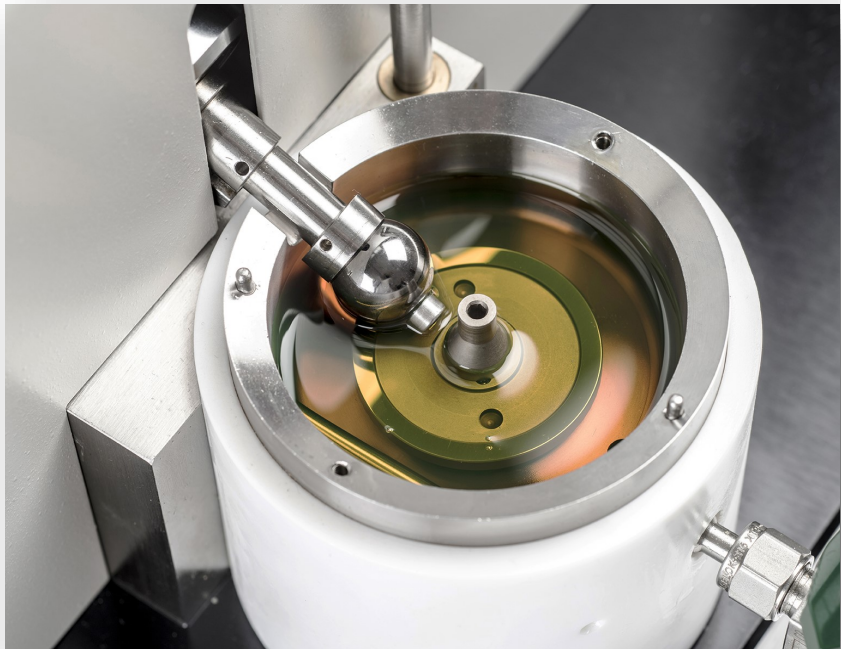


Mini-Traction Machine (MTM2)

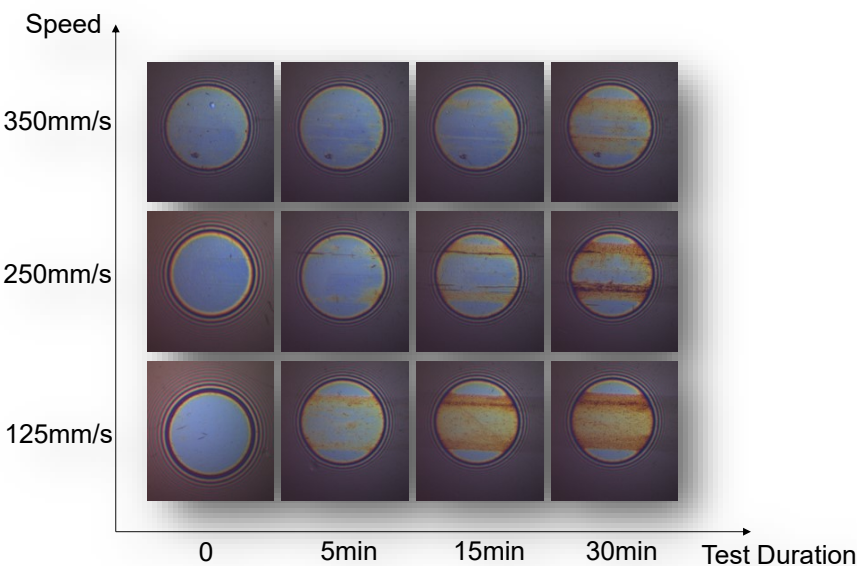
A flexible general purpose instrument for measuring the frictional properties of lubricated and unlubricated contacts under a wide range of rolling and sliding conditions.



Applications

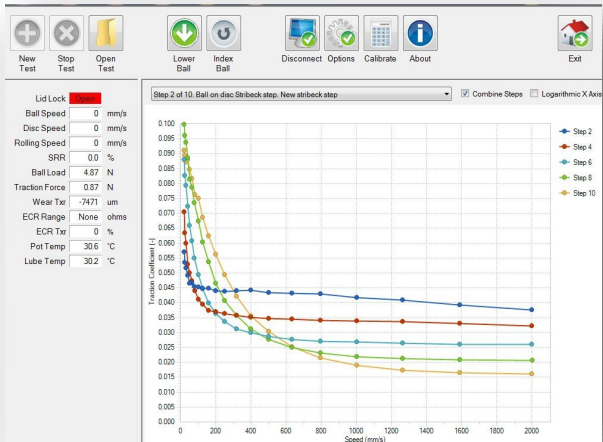
- Traction mapping of Internal Combustion Engines
- Anti wear additive film build up in all regimes and VM investigations
- Understanding oral processes of food, texture and mouthfeel
- Investigation of the ‘skin feel’ of personal care products
- Research into joints and prosthetic devices

3D Spacer Layer Imaging Method (SLIM) Using interferometry the MTM can measure the thickness of additive film formation on the upper specimen throughout the test. .



Specifications

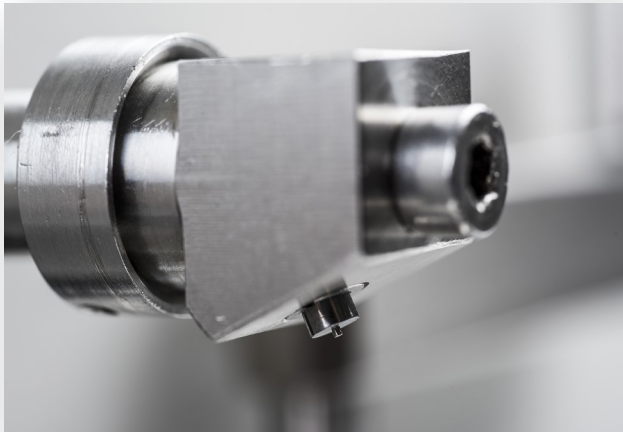
- Load: 0 to 75 N
- Contact Pressure: 0 to 1.25GPa (3.1 GPa with alternative specimens)
- Speed: -4 to 4 ms⁻¹
- Temperature Range: up to 150°C (below ambient with optional oil cooler)
- Test Sample Volume: 35 ml (10 ml with optional pot filler)



Stribeck Curve produced by MTM



Wide range of available specimens



Pin-on-disc Option