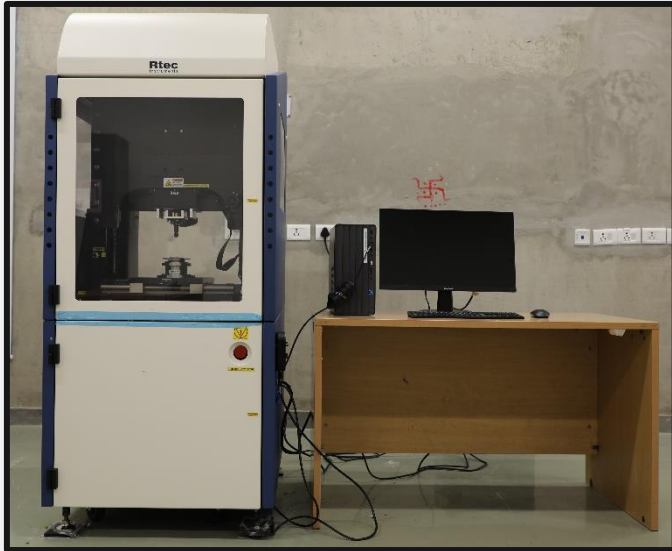




## High Temperature Tribometer with In-Situ Profilometer

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- **Model: Tribometer MFT - 5000**

- **Available configurations**

Rotary (ball on disc, pin on disc), Reciprocating (flat on flat, ball on flat, cylinder on flat)

- **Operating parameters**

Force: 1 N to 200 N, 10 N to 5000 N

Speed (Rotary): 1 rpm to 5000 rpm

Temperature: Dry rotary: up to 1000 °C

Lubricated rotary: up to 500 °C

Stroke length (Reciprocating): 1mm to 30 mm

- **Specimen dimensions**

**Body**

Disc: up to 50 mm diameter

Flat: maximum 50 mm X 50 mm (dry)

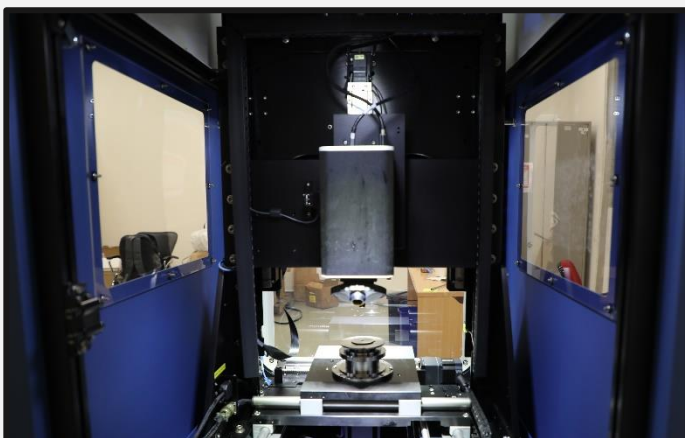
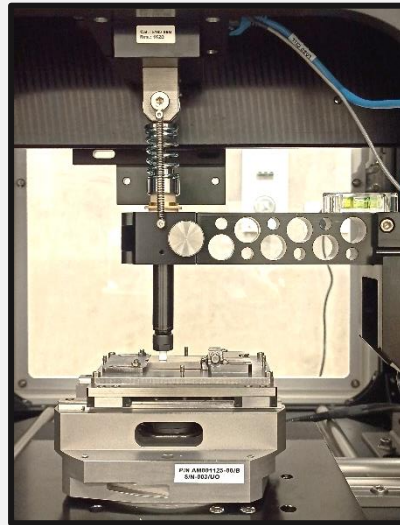
maximum 50 mm X 40 mm (with lubricant)

**Counter body**

Spherical balls: 6 mm, 8 mm, 10mm diameter for temperature up to 500 °C, 9.8 mm diameter for high temperature

Cylindrical pins: up to 8 mm diameter (for flat configuration),  $\phi$  9.48 mm, length 12.56 mm (for line contact/ cylinder on flat)

Flat specimen: 15.48 mm X 6.48 mm



- **In situ profilometer**

3D white light interferometer to obtain wear morphology and quantify wear volume

**Scanning details**

Measurement window (1.8 mm X 1.12 mm)

Pixel window: 960 px X 600 px

Minimum pixel size: 1.86 micron/ pixel