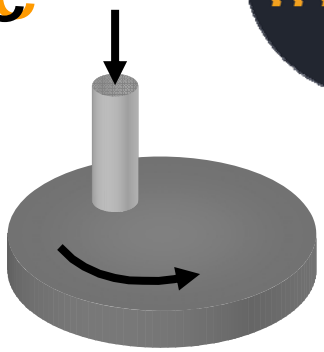
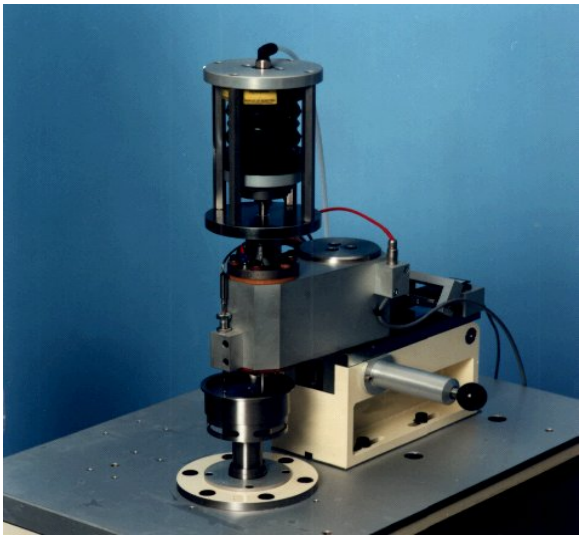
TE67 Pin-on-Disc



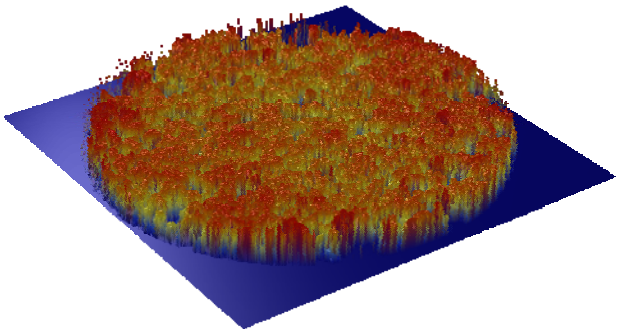
The pin carrier assembly and disc carrier assembly is held fixed by the base frame in order to maintain the alignment between the specimens to enable usage of flat-on-flat geometry. The pneumatic load actuator can handle steady and and fluctuating loads with sine or triangular shaped waves. A linear potentiometer measures the movement of the pin piston and can provide in-situ wear measurements. Both dry and lubricated test are possible. For the lubricated situation there is an enclosure to submerge the disc, which features two electrical resistance heating elements to control temperature.



TECHNICAL SPECIFICATIONS

Speed:	30 – 1000 rpm, 60 – 2000 rpm
Load:	Pneum. 25 – 1000 N, Dead w. 5 – 100 N
Friction force:	0 – 50 N, 0 – 1000 N
Wear meas.:	Linear potentiometer 0 – 2.5 mm Res. < 2 µm
Contact potential:	40 mV dc signal

Surface measurement of pin-specimen



Recorded friction data