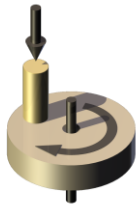
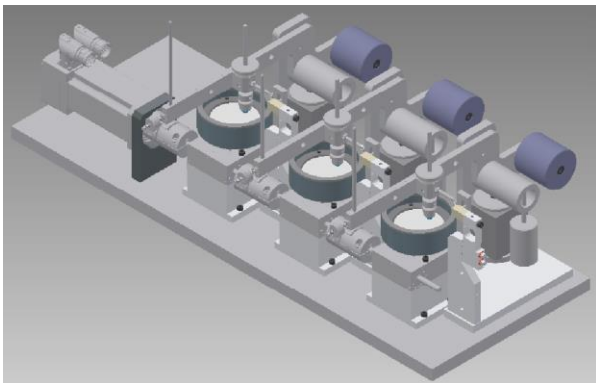


# HTP 060 Three Station Pin on Disc High Throughput Tribometer

---

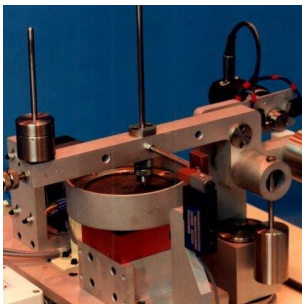


- Single function
- Multi-station
- Easy to Operate
- Control via PLC
- Data exported on USB stick



## Description

This instrument is derived from and is a simplified version of the TE 79 Multi-Axis Tribology Machine.



The unit incorporates three conventional pin on disc test assemblies, generally in compliance with ASTM G99.

A rotating fluid bath is a simple solution for lubricated testing, as it avoids the requirement for rotating seals, however, it does not facilitate contact heating of the disc sample. Non-contact heating of the underside of the rotating bath is thus implemented using quartz halogen heating rings.

Loading is by dead-weight and a force transducer is fitted to each test station, so that friction for each contact is measured independently.

The machine is designed to be bench-mounted, with installation footprint kept to a minimum. It is simple to operate, so requires minimal training. Control is implemented with a PLC, with inputs via touch-screen. Data is stored by the device and exported on USB stick.



## Specification

Motion	Rotary	
Load	1 to 60	N
Diameter	75	mm
Speed	2 to 200	rpm
Temperature	Ambient to 150	°C
Test Stations	3	
<b>Manually Set Parameters</b>		
Load	Yes - dead-weight	
Rotational Speed	Yes	
Temperature	Yes	
Test Duration	Yes	
<b>Data Logged Parameters</b>		
Temperature	Yes - each sample	
Friction Force	Yes - each sample	