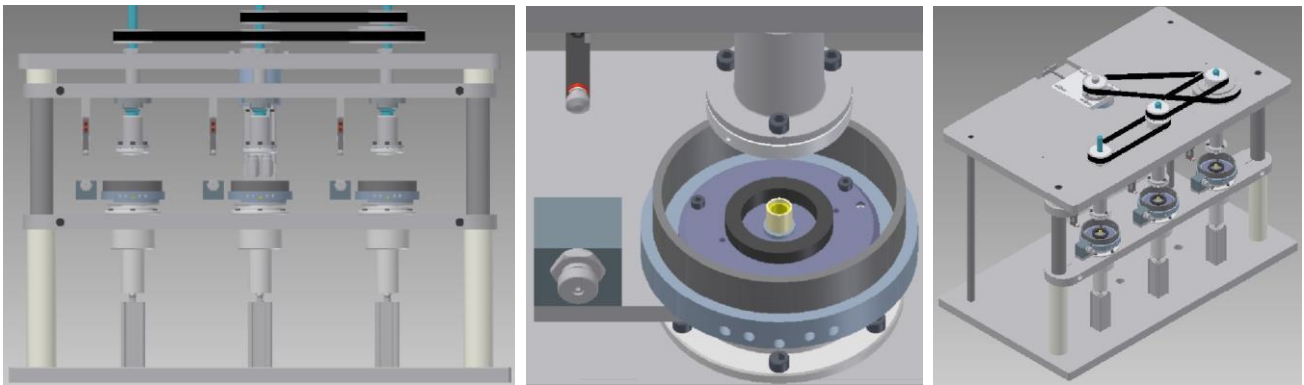


HTP 020 Three Station Thrust Washer High Throughput Tribometer



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



Description

This instrument is a development of the TE 94 Three Station Rotary Tribometer.



This machine is designed to run multiple tests in the thrust washer and three pin on disc test configurations, under identical test conditions. Sensors are provided for measurement of friction and sample temperature on each test station.

Load is applied to each test station by means of pneumatic cylinders, connected in parallel. Pressure to the cylinders is manually controlled by means of a precision

pressure regulator. Tests may be run in accordance with the guidelines laid out in ASTM G99 and ASTM D3702.

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	20 to 400	N
Diameter	ASTM D3702 Small	mm
Speed	6 to 600	rpm
Temperature	Ambient to 150	°C
Test Stations	3	
Manually Set Parameters		
Load	Yes - pneumatic	
Rotational Speed	Yes	
Temperature	Yes	
Test Duration	Yes	
Data Logged Parameters		
Load	Pressure Transducer	
Temperature	Yes - each sample	
Friction Force	Yes - each sample	