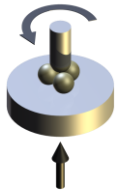
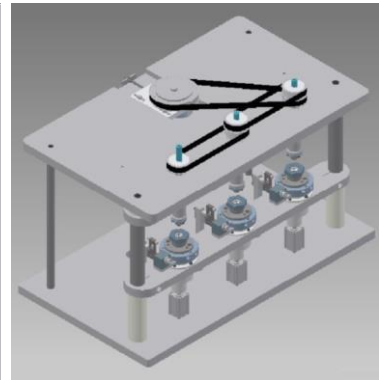
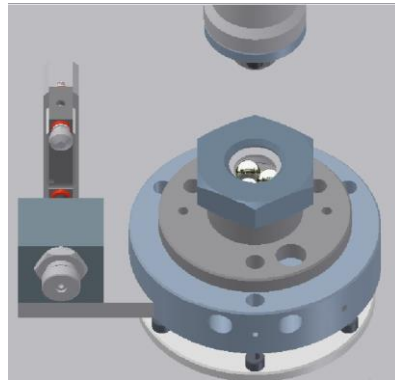
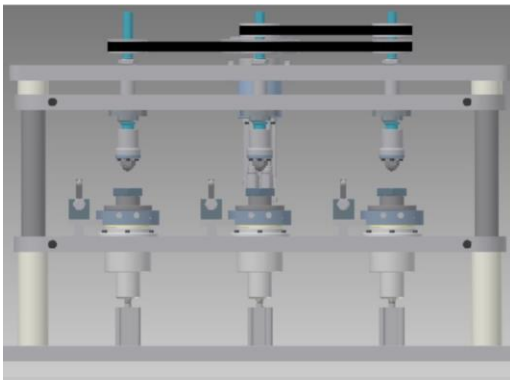


HTP 030 Three Station Four Ball Friction & Wear High Throughput Tribometer

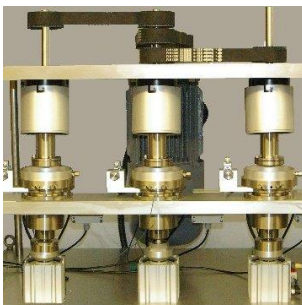


- Single function
- Multi-station
- Simple to Operate
- Control via PLC
- Data exported on USB stick



Description

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



This machine is designed to run multiple sliding four ball friction and wear tests, 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. Test may be run in accordance with the guidelines laid out in ASTM D2266, ASTM D4172 and ASTM D5183.

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	50 to 1200	N
Diameter	12.7	mm
Speed	6 to 1200	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	