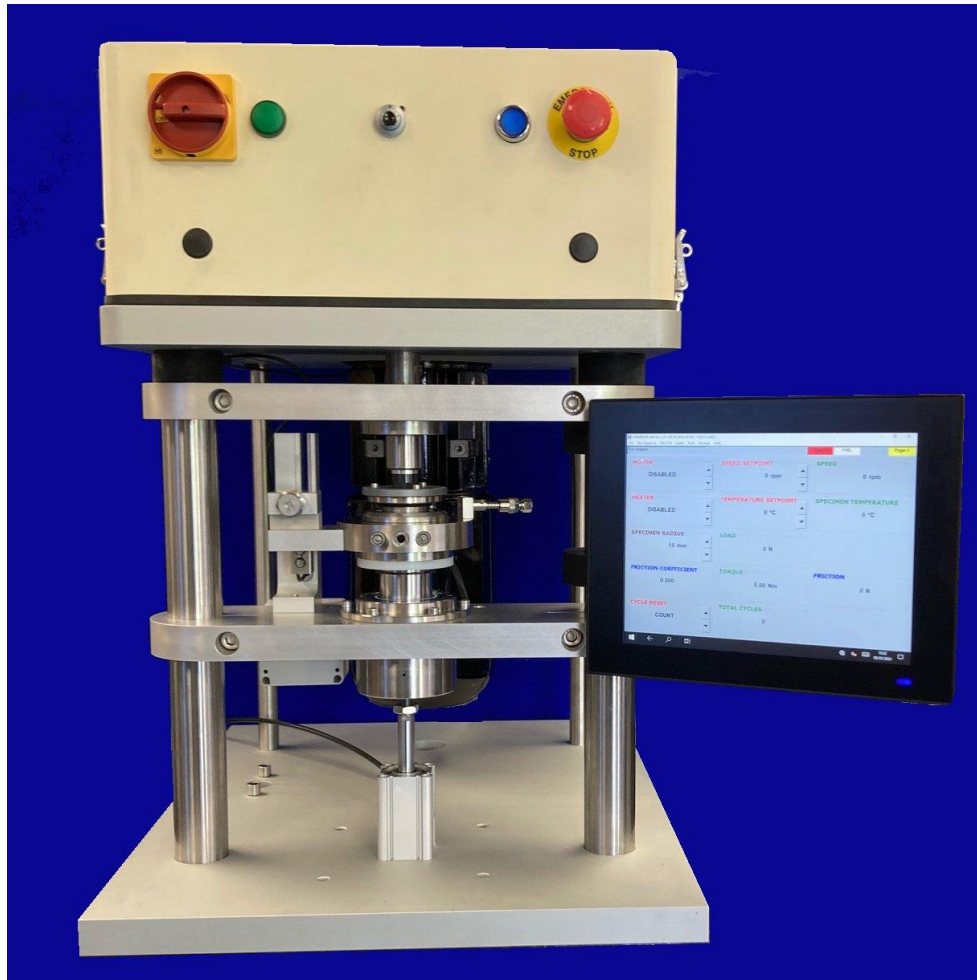


# STANDARD TEST – THRUST WASHER

Value engineered tribometer for dry friction and wear tests



## Features

- Touch screen PC for data logging and control of speed and temperature
- Precision regulator for manual control of load
- Air bearing mounted load and friction assembly
- Optional capacitance probe for on-line wear measurement

## Standard Tests

- ASTM D3702 Standard Test Method for Wear Rate of Materials in Self-Lubricated Rubbing Contact Using a Thrust Washer Testing Machine
- ASTM G99 Wear Testing with a Pin-on-Disc Apparatus

## Order as:

- ST-TW Three Pin on Disc/Thrust Washer Friction & Wear Tester
- ST-TW/WEAR Capacitance Displacement Gauge for Wear Measurement

## STANDARD TEST - THRUST WASHER

### Technical Specifications

Thrust Washer:	According to ASTM D3702
Pin on Disc:	According to ASTM G99
Pin Track Radius:	10 to 35 mm
Pin Size:	8 mm diameter x 15 mm long
Disc Diameter:	75 mm maximum
Load Range:	20 to 750 N (@ 6 bar air pressure)
Loading Method:	Pneumatic
Load Measurement:	Pressure transducer
Load Control:	Precision pressure regulator
Friction Measurement:	Databeam strain gauge transducer
Torque Reaction Mounting:	Air bearing
Temperature Range:	Ambient to 200°C
Heater Power:	550 W
Temperature Sensor:	k-type thermocouple
Rotational Speed:	30 to 1.800 rpm
Motor:	1.5 kW a.c. vector motor
Control & Data Acquisition:	Touch-screen PC & Interface
Data Export:	USB Stick

<b>Automatically Controlled Parameters</b>	Rotational Speed Temperature Test Duration
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<b>Manually Controlled Parameters</b>	Load
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<b>Measured Parameters</b>	Rotational Speed Wear (Optional) Friction Force Temperature Number of Revolutions Test Duration Sliding Speed Friction Coefficient Sliding Distance
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### Services

Electricity:	220/240V, single phase, 50 Hz, 3.0 kW 110/120 V, single phase, 60 Hz, 3.0 kW
Clean, dry air:	4 cfm at 8 bar (120 psi)