

POD 4.0

Multi Capability Tribometer

ASTM G99, ASTM G133, ASTM G77, ASTM G59
ASTM G102, DIN 50324, DIN ISO 7148-1
DIN ISO 7148-2

A VERSATILE WEAR AND FRICTION TESTER FOR EVERY TRIBOLOGY LAB.

The modular POD-4.0 is a tribometer with many capabilities. Use it as a pin/ball on disk for rotary tests, linear reciprocation or traction measurement simply by choosing the right module. Its automation, sensitivity and ultrawide range of operation make its capabilities unmatched.

Rotary | Linear | Block on Ring | Traction

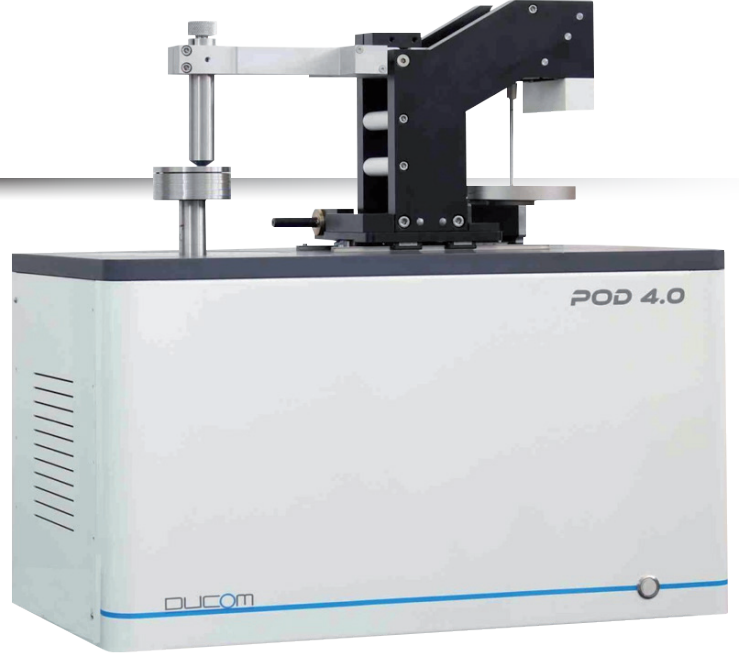
The tabletop POD-4.0 is a high performance, multi capability tribometer that is capable of performing various popular tribology tests in a single instrument. The system is capable of conducting pin on disk tests, linear reciprocating tests, block on ring tests, traction tests and many others.

An ecosystem of environment and sensing modules is available for everything from lubrication and tribocorrosion studies to humidity control and high temperature testing.

It is modular, powerful and automated making it simple to use.

TRANSFORMS EFFORTLESSLY QUICKLY CHANGE MODULES TO MATCH YOUR NEEDS

Using its fast interchange mechanism, the POD-4.0 can easily transform itself and unlock new testing capabilities. You can start simple, with a base POD-4.0 tester and keep adding on modules to address your testing needs. Motion modules for angular reciprocating, linear reciprocation and block-on-ring tests are available. Various sensing, environment and other options are also available. Its modularity allows upgradation at any time after the purchase.



HIGH AND LOW SPEED TESTS

A direct drive design gives instant response and unmatched control over testing speeds. The system is designed for high and low temperature compatibility, easy servicing and flexibility in accepting a variety of sample sizes and geometries.

CHANGE CAN BE HARD. POD 4.0 MAKES IT EASY

Easily interchangeable set-up allows the POD 4.0 to transform from a rotary tribometer to a linear reciprocating tribometer in under 2 minutes. Movement options and precise motion control are available for various movement types. High precision rotary motion capability for clockwise and counter-clockwise movements comes standard with the POD-4.0 (speeds from 0.1 rpm up to 5000 rpm). This capability can be expanded by adding angular oscillation module, linear reciprocation module, block on ring module and other motion modules.

HIGH FIDELITY PSI-CAGE FRICTION SENSOR

A fully re-imagined psi-cage friction sensor mechanism eliminates parasitic friction related errors while maximizing sensitivity and range of operation. Carefully optimized design is tuned for stiffness and offers excellent stability without compromising measurement capabilities.

