Linear Oscillation Test Bench Oszilla Zero



Double the Testing, Double the Fun



DOUBLE THE INSIGHT

The Oszilla Zero's dual-station architecture with symmetric mass compensation cuts noise, doubles sample throughput, and delivers results with precision.

DYNAMIC RANGE, REDEFINED

With a strokelength of up to 20 mm at up to 50 Hz, Oszilla Zero opens a broad test window for the realistic simulation of demanding tribological systems.

INSIGHT IN REAL TIME

The integrated imaging system captures both contact partners during operation enabling a deeper understanding of wear mechanisms as they evolve.

Oszilla Zero

Contact geometry

Temperature range Sensor technology

Electrical connection

Measuring frequency

Weight range

Dimensions

Options

Plane-on-Plane, Ball-on-Plane, Cross-Cylinder, Cylinder on Plane, Larger Sphericals on Plane

Form of motion Sliding, oscillation **Stroke & Frequency**

0.01 - 20 mm; 1 - 200 Hz

20 N - 3000 N Load range

-50° C* - 400° C

Frictional force, wear, stroke, temperature, online image monitoring, noise monitoring

Approx. 250 kg

1600 mm x 800 mm x 1600 mm (H x W x D)

230 V; 16 A; 50/60 Hz

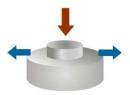
Up to 100 kS/s

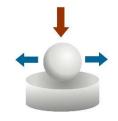
*Cryostat and environmental chamber

Various sample adaptations

Acoustic emission measurement

Data analysis suite











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