

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	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
Load range	20 N – 3000 N
Temperature range	-50° C* - 400° C
Sensor technology	Frictional force, wear, stroke, temperature, online image monitoring, noise monitoring
Weight range	Approx. 250 kg
Dimensions	1600 mm x 800 mm x 1600 mm (H x W x D)
Electrical connection	230 V; 16 A; 50/60 Hz
Measuring frequency	Up to 100 kS/s
Options	*Cryostat and environmental chamber Various sample adaptations Acoustic emission measurement Data analysis suite

