

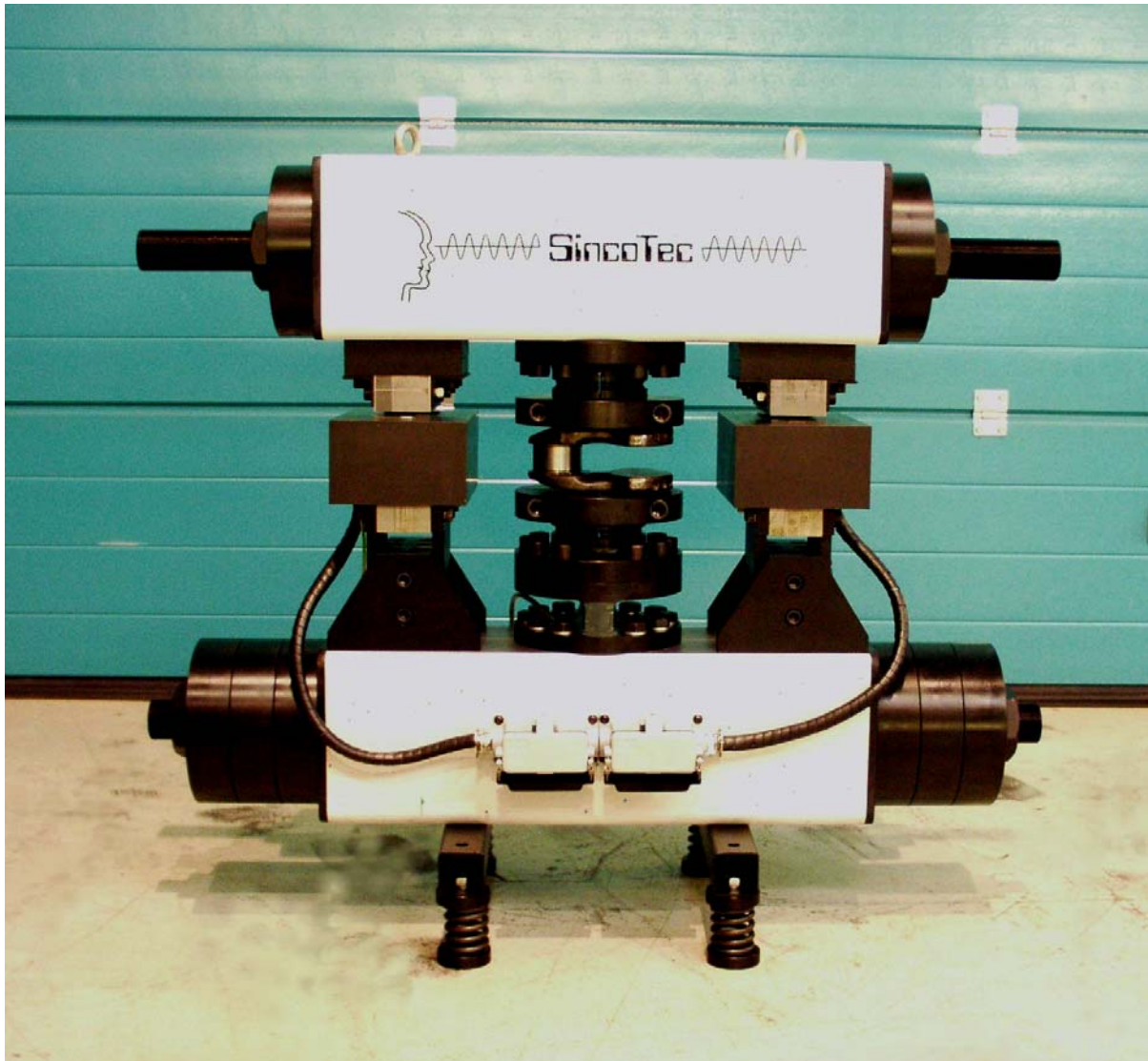
Sincotec Bauteil-Prüftechnik GmbH
Freiberger Straße 13
- Innovationspark Tannenhöhe -
D-38678 Clausthal-Zellerfeld

Phone: +49 (0)5323 96 92 0
Fax: +49 (0)5323 82 08 1
e-mail: info@sincotec.de
Internet: http://www.sincotec.de

Crank-shaft test system Bending



Accreditation according to DIN EN ISO/IEC 17025 through DAP Deutsches Akkreditierungssystem Prüfwesen GmbH for test laboratories. The accreditation is valid for the mentioned test methods in the certificate.



- Resonance Test Technology
- Servo Hydraulic
- Servo Pneumatic
- Internal Pressure Test Technology
- Custom-built Test Systems
- Metrology
- Uncoupling Foundations
- Accessories

Crank-Shaft Tests System Bending

The determination of the bending and torsion dynamic strength of crankshafts but also of other components such as cam shafts, drive shafts and brake drums, is executed on component specific resonance test equipments. The advantages of these systems are an extremely low energy consumption, high test frequencies, reduction the testing time for durability tests, small maintenance costs and an exact automatic incipient crack recognition.

On examining with resonance testing systems you can get an indication of potential failures in the structure and can also prevent expensive recalls or damages in the assembled end product.

The test system is conceived as an electromagnetic resonance test system for applying high bending alternating loads. Two lever masses are directly applied to the sample, so that the occurring bending moments remove themselves outward against each other. Over soft soil springs an oscillation uncoupling is ensured. The moments of inertia of the lever masses can be changed by variation of the provided additional masses. In this way the test frequencies can be influenced.

Type of stress	Bending, pure alternating load
Frequency Range	15...80 Hz
Nominal Load	1.000, 2.000, 4.000 Nm
Weight	approx. 200 kg with all additional masses
Dimensions [W×H×D] [mm]	1.000 × 800 × 450
Typical Application	Fatigue limit tests on crank-shafts, cam-shafts, etc.
Controller	SYSMAG

- **Resonance Test Technology**
- Servo Hydraulic
- Servo Pneumatic
- Internal Pressure Test Technology
- Custom-built Test Systems
- Metrology
- Uncoupling Foundations
- Accessories