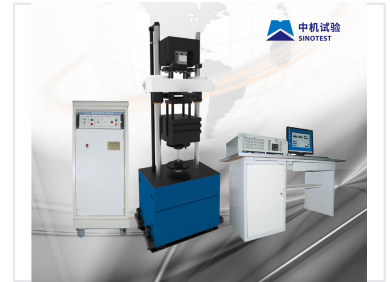


High Frequency Fatigue Testing Machine

These electromagnetism resonance fatigue testing machines assess the fatigue properties of metal materials and components through tension, compression, or alternating loads. Optional accessories enable three-position bending, four-position bending, and crackle expansion testing.



Overview

High-Frequency Fatigue Testing Capability

This high-frequency fatigue testing machine is engineered to conduct dynamic fatigue tests on a diverse range of materials, including metals, polymers, and composites. By utilizing advanced control systems and high-frequency actuators, the system simulates real-world cyclic stress conditions to assess material durability and prevent premature rupture. It is an essential tool for industries such as aerospace, automotive, and biomedical engineering, providing precise load control and reliable data acquisition.

Technical Capabilities

Key Features

- Adjustable frequency range
- Precise load control
- Advanced data acquisition system
- High-frequency actuator technology
- User-friendly software interface

Monitored Parameters

Load • Displacement • Frequency

Material Compatibility

Metals, Polymers, Composites

Industry Applications

Primary Industries

- Aerospace
- Automotive
- Biomedical Engineering