High Temperature Creep Fatigue Testing Machine

This machine performs dynamic pull-pull or pull-press tests, crossing zero without gaps. Static and dynamic test systems, including pull rods, fixtures, extensometers, and high-temperature furnaces, can be configured to user specifications and automatically controlled for tensile endurance, creep, relaxation, and fatigue tests in high-temperature environments.

Overview

Professional Material Testing Solution

The RPL series is an advanced electronic testing system designed for high-temperature material characterization. It enables comprehensive analysis of creep, relaxation, and endurance properties, alongside low-cycle fatigue and complex creep-fatigue testing. Built for precision and versatility, this equipment ensures reliable data for metals, alloys, and ceramics in demanding industrial environments.

Standards & Compliance

Certified Standards	GB, ISO, ASTM, EN, JIS

Technical Capabilities

Testing Capabilities

- Creep Testing
- Relaxation Testing
- Endurance Testing
- Low Cycle Fatigue
- Creep-Fatigue Interaction
- Tension & Compression Zero Crossing

System Features

Loading Modes

Constant Load • Cyclic Load • Combined Creep-Fatigue

Core Hardware

- High-stiffness robust frame
- Precision actuators
- High-temperature furnace
- Advanced data acquisition system