

Electronic Creep Relaxation Testing Machine

This highly integrated machine saves space with its integrated temperature control system. Its automatic leveling system adopts redundant control and a two-way opposed slot photoelectric switch for stable and reliable operation.



Overview

High-Performance Creep Fatigue Testing

The RPL series electronic testing machine is designed for comprehensive material analysis, offering specialized capabilities for creep, relaxation, and durability testing. It supports both static and dynamic test modes, including low-cycle fatigue and creep-fatigue interactions under high-temperature environments. Fully automated and modular, this system provides a versatile solution for advanced research, quality control, and material characterization.

Testing Capabilities

Dynamic Process Modes

- Tension-tension mode
- Tension-stress mode
- Over-zero continuous testing

Supported Test Modes

Creep, Relaxation, Durability, Low-cycle fatigue, Creep-fatigue, Compress strength

System Features

Included System Components

- Draw bar
- Grips
- Extensometer
- High-temperature furnace
- Specialized control system

Automation

Fully Automatic • Computer Controlled