

Creep Fatigue Testing Machine

This highly integrated machine features an integrated temperature control system to save space. Ethernet distributed control facilitates rapid data transmission and simplified wiring.



System Overview

Advanced High-Temperature Testing Solution

The RPL series is a versatile electronic testing platform engineered for high-temperature material evaluation. It excels in diverse testing applications including basic creep, stress relaxation, durability, and complex creep-fatigue interactions. Featuring a modular design, it supports both static and dynamic testing configurations with automated controls.

Technical Capabilities

Dynamic Process Modes

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

Supported Testing Modes

Creep, Relaxation, Durability, Compressive Strength, Low-cycle Fatigue, Creep-Fatigue Interaction

System Integration

Modular Components

- Draw bars
- Specialized grips
- Extensometers
- High-temperature furnaces

Control System

Fully Automatic • Specialized Controller • High-Precision Data Acquisition