

CREEP TESTING MACHINE

PRECISE • AUTOMATED • RELIABLE

About the Machine

The Creep Testing Machine by DENSOTECH is designed for precise long-term deformation (creep) analysis of materials under constant load and temperature conditions, it ensures accurate testing for quality control, R&D, and material validation in industrial applications.

Key Features

-  High-precision Servo-based load application system
-  Uniform Automatic Temperature Control for accurate creep testing
-  Digital HMI-based control panel
-  Real-time data monitoring and logging
-  Automatic safety interlocks
-  Compact and robust structure
-  Easy operation and maintenance



Technical Specifications

-  **Load Capacity:** Up to 2000 Kg (max)
-  **Desired Load:** Servo-based system can be easily adjusted via HMI
-  **Highly Accurate:** Displacement monitor up to 1 μm
-  **Temperature Range:** Ambient to 150°C (or as required)
-  **Desired Temperature:** Can be adjustable via HMI
-  **Control System:** PLC + HMI Touch Interface
-  **Data Acquisition:** Real-time logging saves in excel files
-  **Power Supply:** 415V AC, 50 Hz
-  **Display:** Digital controls with live parameters
- **Safety Features:** Overload protection, emergency stop & Safety door switches with safety relay

Applications

-  **Material creep testing** (Rubber, polymers, composites)
-  Quality control labs
-  Aerospace & defense component testing
-  Research & Automotive industries
-  Long-term durability analysis
-  Anti-vibration Rubber Bush Testing

Advantages

-  Highly accurate and repeatable results
-  Automated testing procedures
-  Reduced human intervention
-  Continuous safety checks during 4-duration tests
- Can be customised as per client requirement

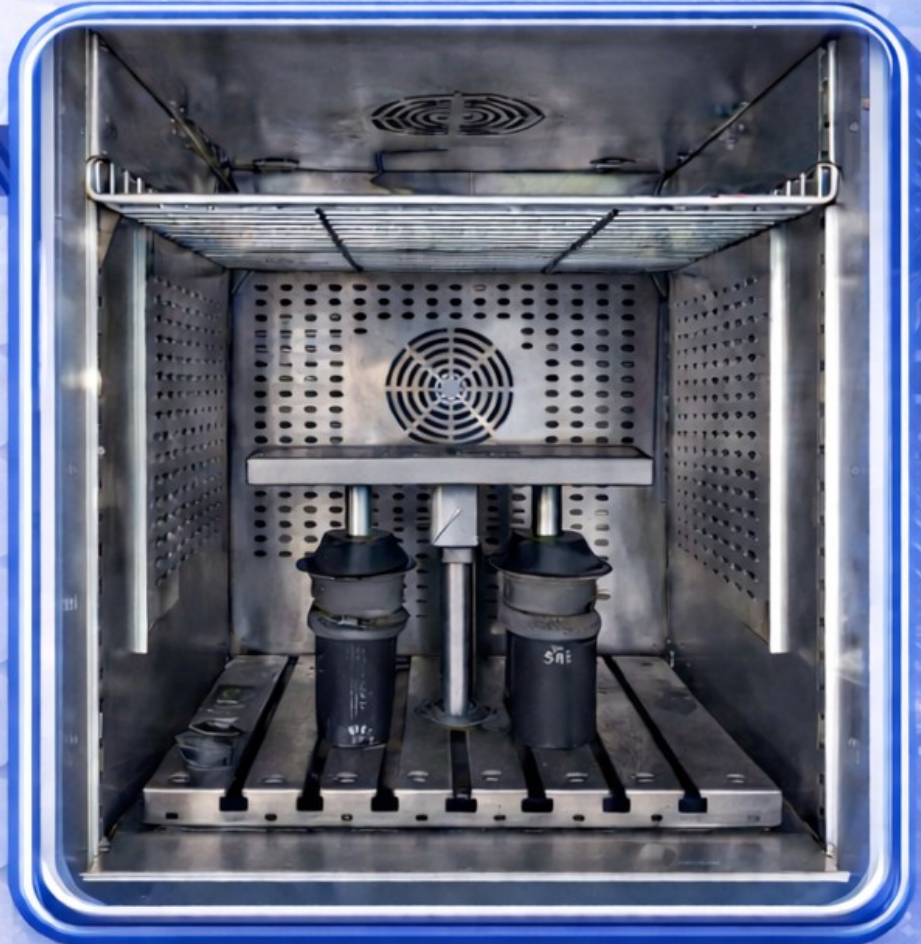
INTERNAL TEST CHAMBER



Designed for accurate creep and long-term material testing under controlled temperature and load conditions.

OVEN INTERNAL KEY FEATURES

-  **Inner oven size:**
Length - 600mm | Width - 500mm | ✓
Height - 600 mm
-  **T-Slot Base Plate** for Easy Fitment ✓
-  **Inner SS304 Body** ✓
-  **Dual Air circulation fan** ✓
-  **Uniform temperature distribution** ✓
-  **Dual specimen holding arrangement** ✓
-  **SS304 shelf** ✓
-  **Efficient air circulation system** ✓
-  **Safe and enclosed testing environment**



DENSOTECH

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