

Intelligent Vibration Aging Device for Stress Relief

This intelligent vibration aging device offers a modern alternative to traditional natural and thermal aging methods. It utilizes controlled vibration to relieve stress and enhance the stability of materials and components.



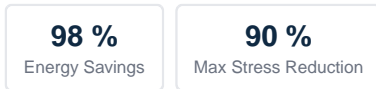
Product Overview

Advanced Stress Relief Technology

The Intelligent Vibration Aging Device is a modern solution designed to replace traditional thermal and natural aging processes. By utilizing resonance principles, it efficiently eliminates internal residual stresses in metal components, castings, forgings, and welded workpieces. This process significantly improves the dimensional stability and resistance to deformation of treated parts while offering extreme energy efficiency compared to conventional heat treatment methods.

Key Performance Metrics

Performance Benefits



Technical Capabilities

Operational Benefits

- Eliminates internal stress through resonance
- Stabilizes geometric size and dimensional integrity
- Improves material deformation resistance
- Replaces time-consuming thermal aging
- Environmentally friendly processing

Applicable Materials & Processes

Metal Components, Castings, Forgings, Welded Workpieces