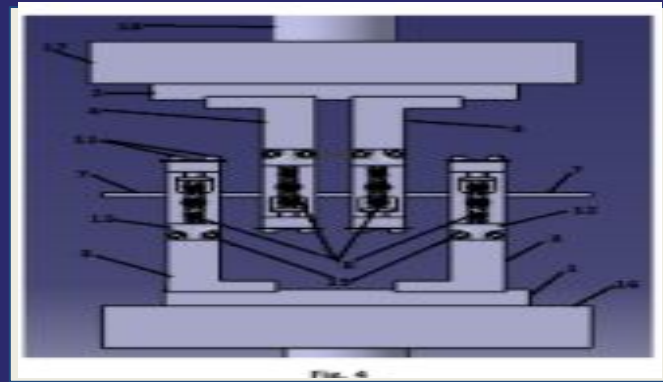


Granted IN202011016480

A device for conducting three-point or four-point flexural fatigue strength testing of a specimen



NEED

There is a need for a fatigue testing fixture that can accommodate various specimen dimensions, operates with simplicity, and is cost-effective while enabling fully reversible cyclic loading.

SOLUTION

The invention introduces a device for flexural fatigue strength testing, offering flexibility, and utilizing cyclic alternating bending stresses for comprehensive testing.

INNOVATION

The device features movable supports, an upper loading plate, and adjustable rollers, enabling three-point or four-point flexural fatigue strength testing with reversible bending stresses.

MARKET ANALYSIS

Market: Material testing industry, specifically fatigue testing

CAGR: Approximately 5-7% (based on the growth of the material testing industry)

Potential Indian Clients: Material testing laboratories, research institutions, engineering firms, automotive manufacturers, aerospace companies

WHY INVEST?

Flexural fatigue

Four-point bending

Cantilever beam bending

Torsional stresses

AT A GLANCE

- Current TRL NA
- Funded by NA
- IPC B60R, G01N
- Domain
Mechanical testing equipment



For more information, reach out to (contact person), (designation), (organization) at (email ID) and (phone number)



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