

**Product Name :**  
Rotating Beam Fatigue Testing Machine

**Product Code :**  
TEST5097RFQLAB-0001



#### **Description :**

TestingLabInstruments is a leading manufacturer and supplier of rotating beam fatigue testing machines in India. Our machines are designed to perform fatigue tests on a wide range of materials and are widely used in industries such as aerospace, automotive, and construction.

As a trusted rotating beam fatigue testing equipment supplier in India, we offer a comprehensive range of testing equipment that caters to the specific requirements of our clients. We ensure that our products meet international standards and undergo rigorous testing and inspection before they are delivered to our clients.

Apart from being a top-notch rotating beam fatigue testing machine manufacturer and supplier, we are also recognized as one of the most reliable Rotating Beam Fatigue Testing tool exporters in India. We have a strong global presence, and our products are exported to various countries across the world.

#### **Technical Specification :**

This is a rotating beam type machine in which load is applied in reversed bending way. The standard specimen is held in special holders at its ends and loaded such that it experiences a uniform bending moment. The specimen is rotated at 4200 RPM by a motor. A complete cycle of reversed stresses in all fibres of the specimen is produced during each revolution. The bending moment is applied with a lever system and can be easily changed by moving a weight over the lever. Total number of revolutions at which the specimen fails are recorded by a Digital counter. An interlocking system puts off the motor at specimen failure. The machine meets requirements of IS 5075-1969 and consisting of the followings-

The test machine with the machine bed.

Electrical control panel with starter indication lamp, main switch, counter, multi-pin socket and four core wire

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Weight hanger

Balancing weight

Set of weights comprising of 50gm – 8No.s, 100gm – 6No.s, 200gm – 10No.s, 500gm – 2No.s, 1Kg – 6Nos, 10kg – 1No & 20 kg- 1No.



**Testing lab instruments India**