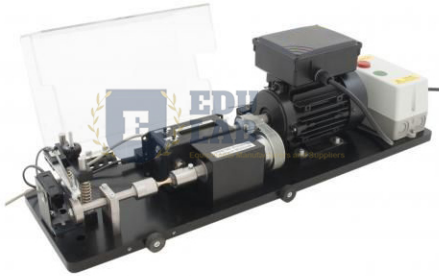


Product Code . EL-MTLE-11546

Rotating Fatigue Machine



Description

Rotating Fatigue Machine

The specimens are held within 'keyless' chucks and loaded using a cantilever arrangement, with the load being applied through a screw jack mechanism with integral cantilever load cell.

Both values can be reset and zeroed (tared) prior to the testing commencing. When specimen failure occurs, a micro switch stops the motor and the cycles to failure are registered on the digital display. This unit has been designed to introduce students to the effects of material fatigue using a sinusoidal variation of bending stress.




The count remains when the motor is not running. A safety guard shields all rotating parts. All tooling is provided to allow the removal and fitting of these specimens. A digital interface displays the applied force and revolution count of the specimen. Specially machined necked test specimens are provided in steel. These have a 4mm nominal neck diameter.

A full technical Instruction manual is supplied, which details full unit operation, experimental technique, example results and relevant theory.

We are leading manufacturers, suppliers of Rotating Fatigue Machine for Material Testing Lab Equipments. Contact us to get high quality Rotating Fatigue Machine for Material Testing Lab Equipments for schools, colleges, universities, research labs, laboratories and various industries.

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cantilever arrangement, with the load being applied through a screw jack mechanism with integral cantilever load cell. Both values can be reset and zeroed (tared) prior to the testing commencing. When specimen failure occurs, a micro switch stops the motor and the cycles to failure are registered on the digital display. This unit has been designed to introduce students to the effects of material fatigue using a sinusoidal variation of bending stress. The count remains when the motor is not running. A safety guard shields all rotating parts. All tooling is provided to allow the removal and fitting of these specimens. A digital interface displays the applied force and revolution count of the specimen. Specially machined necked test specimens are provided in steel. These have a 4mm nominal neck diameter. A full technical Instruction manual is supplied, which details full unit operation, experimental technique, example results and relevant theory. We are leading manufacturers, suppliers of Rotating Fatigue Machine for Material Testing Lab Equipments. Contact us to get high quality Rotating Fatigue Machine for Material Testing Lab Equipments for schools, colleges, universities, research labs, laboratories and various industries.", "brand": "Educational equipment", "sku": "5", "gtin8": "5", "gtin14": "5", "gtin13": "5", "mpn": "5", "aggregateRating": { "@type": "AggregateRating", "ratingValue": "5", "bestRating": "5", "worstRating": "0", "ratingCount": "15" } }

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