

Product Name :
Whirling of Shafts Demonstrator

Product Code :
NLAB-TECHNICALAB35002



Description :

Whirling of Shafts Demonstrator

Technical Specification :

The set up is designed to study the whirling of shafts.

The set-up consists of a sturdy M.S. frame, variable speed motor bearing holders etc. Different bearing can be fitted in bearing block to have different end conditions i.e.

both end fixed,

one end free and one end fixed etc.

A variable speed motor is provided to drive the shaft along with speed control unit as the test is destructive, hence the shaft cannot be used again.

Experiments :

Display of various modes of whirl for a shaft with:

Both ends directionally fixed.

One ends fixed and other free

Both ends directionally free.

Modes of vibrations can be studied and frequency can be measured in each case.

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