BENDING ELASTICITY IN ROTORS

RD 079

Description:

Bending elasticity in rotors unit shows the transverse oscillation of the axes with a specific frequency. This unit enables users to understand the problems of long axes and consider them in the design. There are also several weights that will show the effect of concentrated loads on the critical cycle. The weights are such that by connecting them to the set, they will apply an off-axis load to the system, which causes the phase difference between the load and the change of location to be investigated.

Specifications:

- Ability to determine effective parameters on critical speed of rotational speed
- Adjustable concentrated weights
- Display critical speed of axes
- Speed changeable electro motor
- Electrical control panel with displays and switches
- Plexiglass protector
- Instruction manual
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Investigating critical speed on rotational axes
2. Transverse vibration and resonance in rotational shaft
3. Investigating the effect of shaft's length on critical speed
4. Investigating the effect of supports on critical speed

Required For Operation:

- 220V Single Phase Electricity
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%

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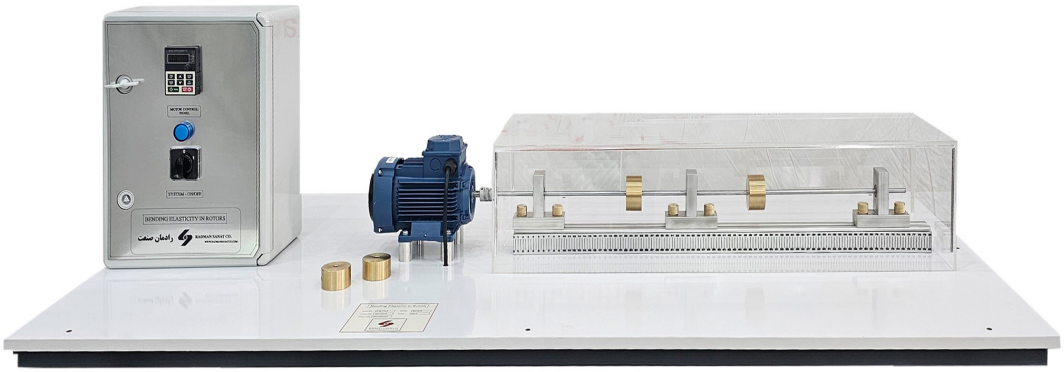

Dimensions (L*W*H) mm: 1200×700×400