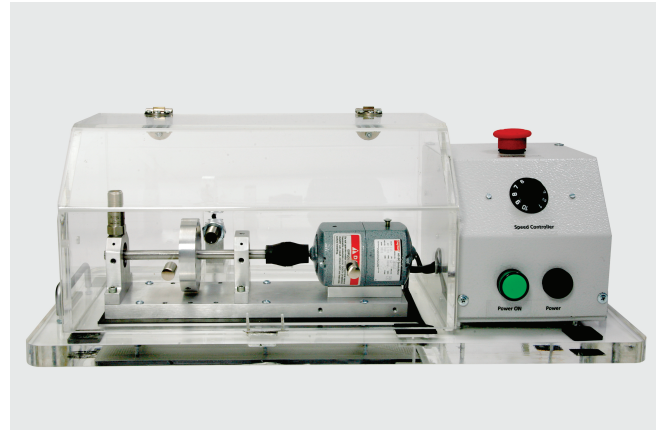




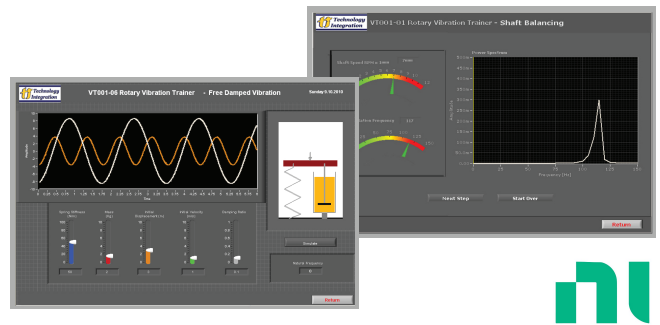
## Curriculum Coverage

- Introduction to Signal Processing
- Vibration Fundamentals
- Free Damped & Undamped Vibration (Simulation)
- Acquiring Vibration Signals
- Shaft Balancing
- Bearing Faults



## Features

- Computer based Vibration Trainer used to teach vibrations in rotary motors
- Includes all required sensors to measure vibration and shaft speed
- For use with NI's Data Acquisition & Control hardware



## Description

Rotating components are basic parts in almost all industrial machinery; examples are generators, turbines, pumps... etc. The objective of using this trainer is to provide students with a systematic and scientific understanding of the vibrations in rotary motors. The trainer comes with an extensive experiments list including basic signal acquisition, signal and fault analysis.

VT001 helps bridge the gap that usually exists between theory and practice. It will help expose the students to numerous basic problems relevant to rotating machinery through computer animation, experimental applications, and the use of up-to-date computerized data acquisition hardware.

### Components

- Accelerometer
- Speed Sensor
- High Speed Motor
- Variable Speed Drive
- Bearings
- Unbalancing Screws

### NI<sup>1</sup> Compatible Platforms

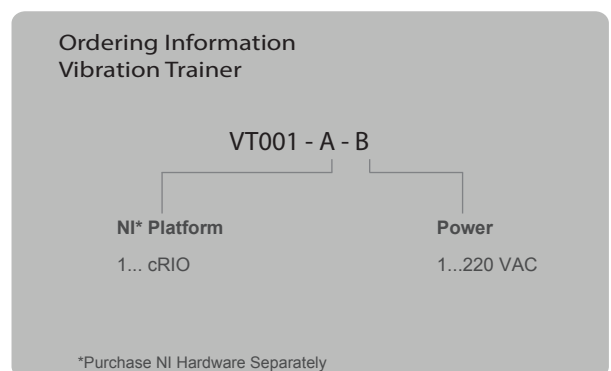
- Compact RIO
  - Others<sup>2</sup>
- <sup>1</sup> NI  
<sup>2</sup> Please check with us about compatibility of other NI Platforms

### Required NI Modules

- cRIO: NI-9234

### Software

- User friendly with easy to use interface
- Developed using NI LabVIEW package
- Built-in safety features & limitations, and designed for students' use



For complete product specifications, pricing, and information:  
e-mail: [info@ti.jo](mailto:info@ti.jo) / website: [www.ti.jo](http://www.ti.jo)