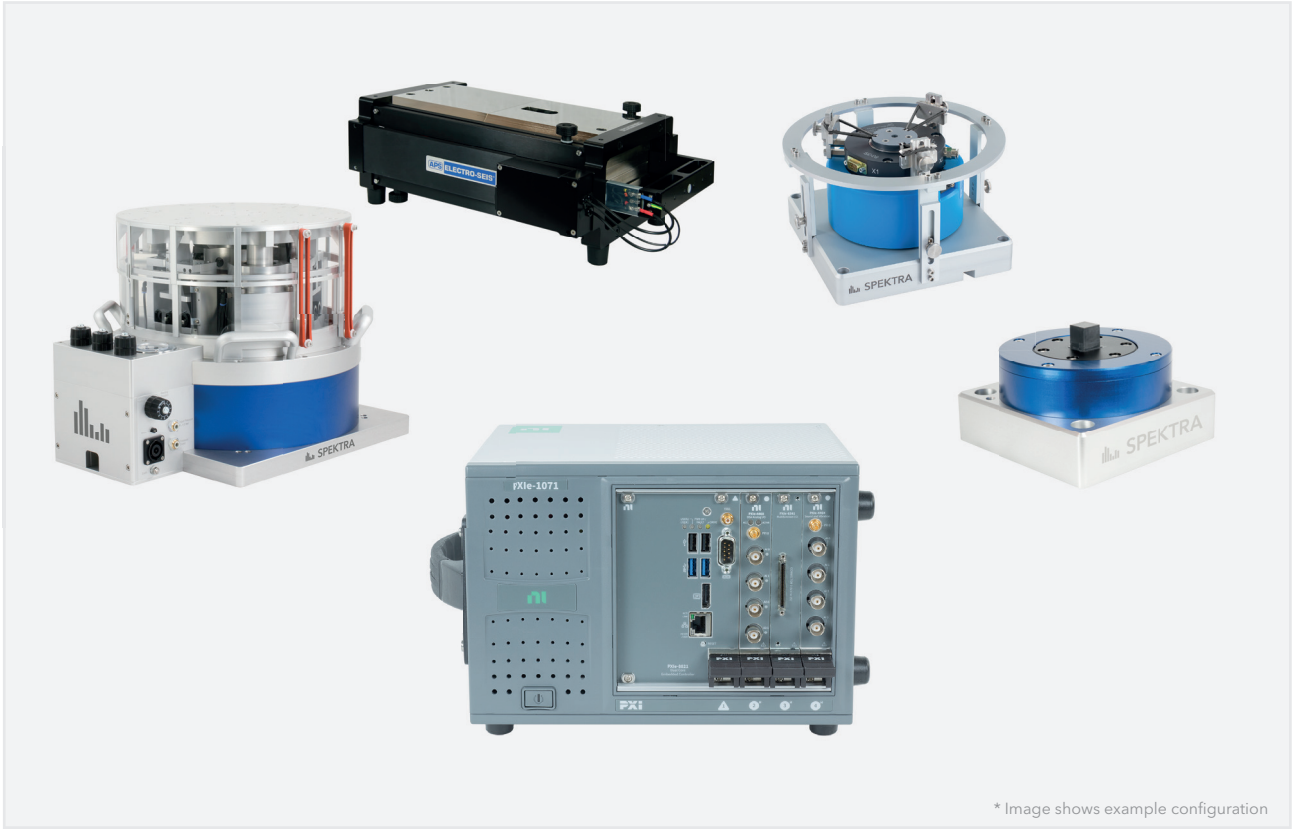
VCS 400

Vibration Control System – powerful, modular, flexible



* Image shows example configuration

Applications

- ✓ Vibration tests
- ✓ Modal excitation
- ✓ Production tests
- ✓ Development and research
- ✓ Micro-structural investigation

Benefits

- ✓ Customized data export
- ✓ Test scripts
- ✓ Digital interface
- ✓ Alarm monitoring
- ✓ Synchronization options
- ✓ Dynamic signal analysis

Features

- ✓ Scaleable, flexible vibration control system with variable number of measurement/ control channels
- ✓ Remote control via Ethernet interface or DLL
- ✓ Real-time data acquisition, transmission and recording
- ✓ Standardized hardware base
- ✓ Controller for vibration test modes: sine, random
- ✓ Control of acceleration, velocity, displacement, pressure, rotation, voltage, also with laser vibrometers

Technical Data

Sine	0.1 Hz...50 kHz
Random	1 Hz...50 kHz, 5,000 lines

Configuration

- NI PXI Real time system in flexible configuration
- Connection to PC via Ethernet
- Powerful PC user interface (National Instruments LabVIEW), extensible by customer if necessary
- 2 to 8 analog inputs 16 Bit, 10 V
- 1 analog output 16 Bit, 10 V
- Optional signal conditioning for charge sensors, PR sensors, capacitive sensors, IEPE sensors