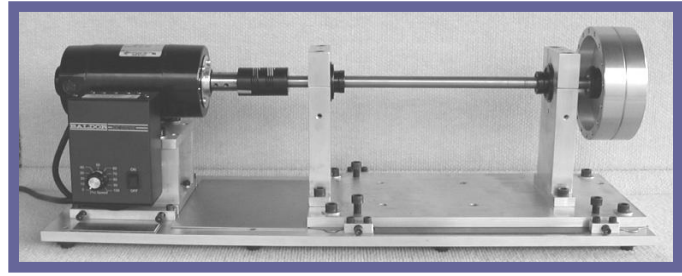
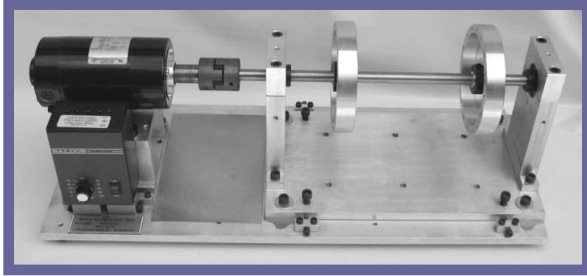
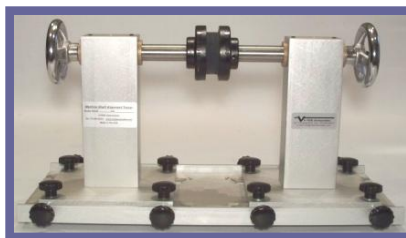
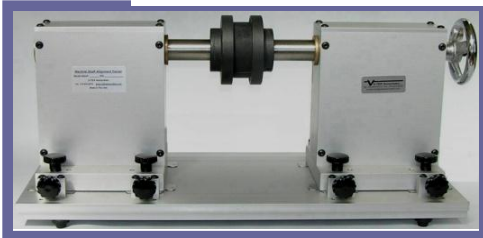


**V-TEK Associates**  
**MACHINE TRAINER PRODUCT LINE - 2013**

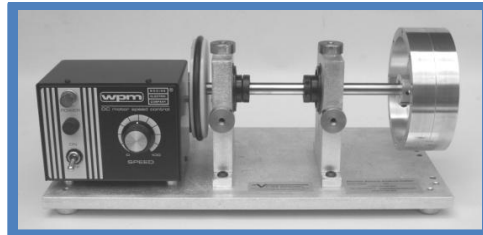
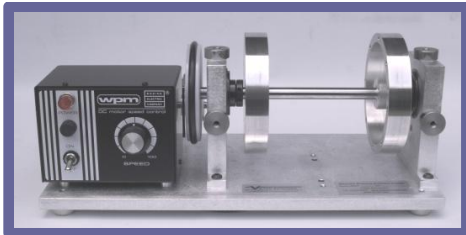
**MACHINE VIBRATION ANALYSIS TRAINER**



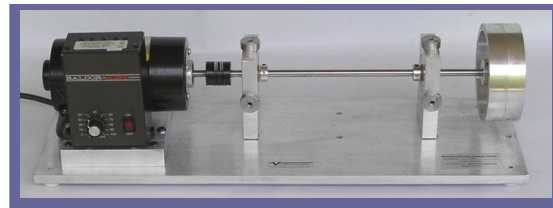
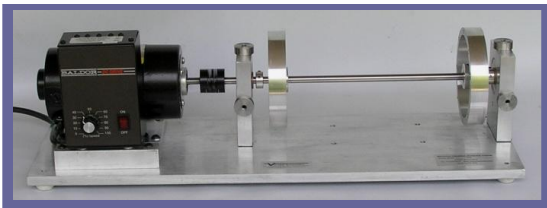
**MACHINE SHAFT & PULLEY ALIGNMENT TRAINERS**



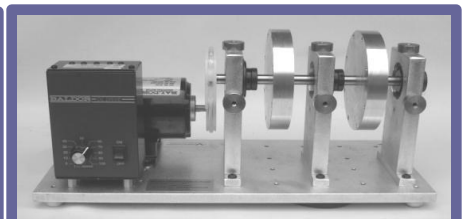
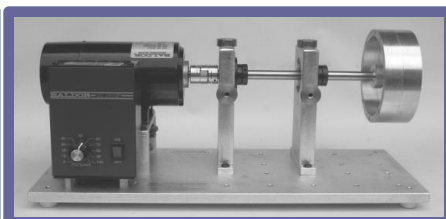
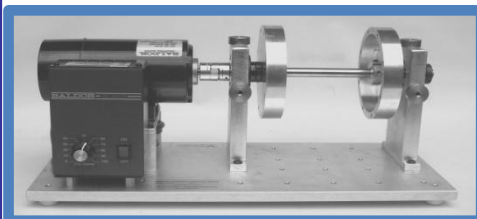
**MACHINE BALANCING-BEARING-VIBRATION ANALYSIS TRAINER**



**MACHINE VIBRATION ANALYSIS TRAINER - ROTOR KIT**



**MACHINE VIBRATION ANALYSIS MULTI-MODE TRAINER**



For more information on the Trainer Product Line contact **V-TEK Associates**  
Tel: 770-844-6475 [www.vtekassociates/Trainers.com](http://www.vtekassociates/Trainers.com)

# V-TEK Associates

## Machine Trainer Product Line - 2013

### **MACHINE VIBRATION ANALYSIS TRAINER, MVAT-02**

**Features**                      **Approximate size and weight 27.5" L x 10.0" W x 11.5" H**                      **50 Lbs**

¼ HP PWM Variable Speed DC Drive w/max speed of 3,400 RPM  
Two movable 1" wide split bearing blocks with 3 axis, ¼-28, sensor-mounting holes & 4 mounting pads  
Rotors can be configured and set to single, multi-plane or overhung conditions  
Two balanced rotors with 16 equally spaced, ¼-20, trim weight, mounting holes  
Adjustable motor & rotor bases, 12 jackscrews for easy alignment, 4 installed precision shims  
Operations manual with simulation & diagnostic guides, 8 vibration isolators, Clear Polycarbonate Cover

*Options:* VT2020 - Coupling set: Spider & Flex, VT2021 - Defective rotor (Cocked), VT2022 - Defective rotor (Eccentric),  
VT2016 - Defective Bearing set (2), VT2017 - Optical Tach, VT2018 - Resonance study beam  
VT2013 - Vibration Meter; VT2015X -Vibration Analyzer, 1-20 Channels, VT2019 - Bent shaft

### **MACHINE SHAFT ALIGNMENT TRAINER, MSAT-03**

**Features**                      **Approximate size and weight 24.0"L x 10" W x 12.0" H**                      **45 Lbs**

Two adjustable modules with machined vertical & horizontal jack screws  
Precision shims, Flex Coupling, Operations manual with shaft alignment guidelines  
1-1/4" Solid Stainless Steel Shafts Adjustable rotational friction and adjustable axial float

*Options:* VT2030-Coupling Set, VT2031-Dial Ind. Kit, VT2034- Starter Shim set, VT2032/33-Laser Align Systems

### **MACHINE SHAFT ALIGNMENT TRAINER, MSAT-04**

**Features**                      **Approximate size and weight 20.0"L x 10.5" W x 11.5" H**                      **30 Lbs**

Two adjustable modules with machined vertical & horizontal jack screws  
Precision shims, Flex Coupling, Operations manual with shaft alignment guidelines  
1.0" Solid Stainless Steel Shafts Adjustable rotational friction and axial float

*Options:* VT2035-Coupling Set, VT2031-Dial Ind. Kit, VT2034-Starter Shim set, VT2032/33-Laser Align Systems

### **MACHINE PULLEY ALIGNMENT TRAINER, MPAT-02**

**Features**                      **Approximate size and weight 23.0" L x 5.5" W x 7.5" H**                      **17 Lbs**

Two adjustable shaft assemblies enabling parallel, axial and angular adjustments  
Adjustable friction of sheave rotation—Adjustable belt tension, Operations manual with shaft alignment guidelines

*Options:* VT2041-Laser Pulley Alignment tool, Outside rim, VT2042-In groove Laser Alignment tool

### **MACHINE BEARING/VIBRATION ANALYSIS TRAINER, MBAT-03**

**Features**                      **Approximate size and weight 15.5" L x 8.3" W x 8.5" H**                      **15 Lbs**

1/7 HP PWM Variable Speed DC Dr., w/max speed of 6500 RPM x 0.37 = main rotor speed  
Two ¾" wide bearing housings w/3 axis ¼-28 holes and 4 total mounting pads  
Two balance rotors can be configured and set to single, multi-plane or overhung conditions  
Two Installed Bearings in movable housings with bearing clearance adjustments, Ops manual with guidelines

*Options:* VT2056 Defective bearing set(2) inner race/ball defects, outer race defect. *User defined Options*

### **MACHINE VIBRATION ANALYSIS TRAINER / ROTOR KIT, MVAT4-01**

**Features**                      **Approximate size and weight 20.0"or 24.0" L x 8.3" W x 8.5" H**                      **26 Lbs**

¼ HP PWM Variable Speed DC Drive w/max speed of 3,400 RPM  
Two ¾" wide movable bearing housings w/3 axis ¼-28 holes and 4 total mounting pads  
Two balance rotors can be configured and set to single, multi-plane or overhung conditions  
Two Installed Bearings in movable housings with bearing clearance adjustments, Ops manual with guidelines

*Options:* VT2056 Defective bearing set(2) inner race/ball defects, outer race defect. *User defined Options*

VT2050 - Coupling set: Spider & Flex, VT2051 - Defective rotor (Cocked), VT2052 - Defective rotor (Eccentric),

VT2017 - Optical Tach, VT2015X -Vibration Analyzer, VT2058 - Resonance study beam, VT2059 - Bent shaft

### **MACHINE VIBRATION ANALYSIS TRAINER / ROTOR KIT, MVAT5-01**

**Features**                      **Approximate size and weight 20.0"or 24.0" L x 8.3" W x 10.5" H**                      **26 Lbs**

**Belt drive variation of MVAT4-01 Call for details**

*Options:* Same as: MVAT4 options, excluding Coupling set

### **MACHINE VIBRATION ANALYSIS MULTI-MODE TRAINER, MVAT6-01**

**Features**                      **Approximate size and weight 18.0"L x 8.3" W x 10.5" H**                      **26+ Lbs**

¼ HP PWM Variable Speed DC Drive w/max speed of 3,400 RPM  
Two-three movable bearing housings, Direct or Belt drive, multiple configurations **Call for details**

*Options:* SA: MVAT4 options - plus VT2057 Defective bearing set: inner race/outer race/ball/lube defects. *User defined Options*

For more information on the Trainer Product Line contact **V-TEK Associates**

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