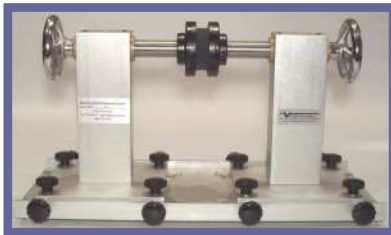


**V-TEK Associates**  
**MACHINE TRAINER PRODUCT LINE**

**MACHINE VIBRATION ANALYSIS TRAINER**



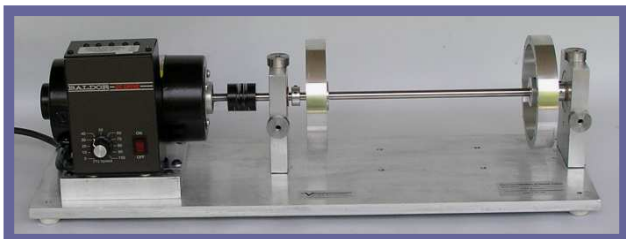
**MACHINE SHAFT & PULLEY ALIGNMENT TRAINERS**



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



**MACHINE VIBRATION ANALYSIS TRAINER – ROTOR KIT**



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

# V-TEK Associates

## Trainer Product Line - March 2011

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

**Features**                      **Approximate size and weight 28.0" L x 11.0" W x 11.0" 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 and rotor bases using 12 jackscrews for easy alignment  
Operations manual with simulation and diagnostic guides  
Precision shims (4-installed under rotor base) Eight vibration isolators, Clear Polycarbonate Safety Cover

**Options**

VT2020 - Shaft coupling set: Rigid & Rubber Jaw couplings  
VT2021 - Defective rotor (Cocked)                      VT2022 - Defective rotor (Eccentric)  
VT2018 - Resonance study beam                      VT2016 - Defective Bearing set (2)  
VT2013 - Vibration Meter;                      VT2015X -Vibration Analyzer, 1-20 channels  
VT2017 - Optical Tachometer assembly                      VT2019 - Bent shaft

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

**Features**                      **Approximate size and weight 24.0"L x 9.5" 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 Kit      VT2031-Dial Ind. Kit      VT2034-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 Kit      VT2031-Dial Ind. Kit      VT2034-Shim set      VT2032/33-Laser Align Systems

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

**Features**                      **Approximate size and weight 23.0" L x 4.5" W x 9.0" H      17 Lbs**  
Two adjustable shaft assemblies enabling parallel, axial and angular adjustments  
Adjustable friction of sheave rotation – Adjustable belt tension

**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 8.0" W x 6.3" 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 balanced rotors with equally spaced holes for ¼-20, set screw trim weights,  
Two Bearings: Movable with bearing clearance adjustments  
Optional defective bearings available: inner race defect, outer race defect  
Operations manual with diagnostic guides    *Options Call*

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

**Features**                      **Approximate size and weight 20.0"or 24.0" L x 8.0" W x 7.5" H      26 Lbs**  
¼ HP PWM Variable Speed DC Drive w/max speed of 3,400 RPM  
Two ¾" wide bearing housings w/3 axis ¼-28 holes and 4 total mounting pads  
Two balanced rotors with equally spaced holes for ¼-20, set screw trim weights,  
Rotors can be configured and set to single, multi-plane or overhung conditions  
Optional defective bearings available: inner race defect, outer race defect  
Operations manual with diagnostic guides    *Options Call*

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

**Tel: 770-844-6475 or visit [www.vtekassociates.com](http://www.vtekassociates.com)**