

# Shaft Alignment with Laser Technology



Proper alignment of rotating machinery can help cut your energy costs and increase “up-time” time of your equipment, lower your maintenance costs and increase bearing life.

You will learn to identify the symptoms of misaligned rotating machinery, and then how to use the proper tools to correct a variety of alignment issues ranging from piping induced stress to soft foot, and run out.

Combine computer software technology with your hands-on skills and laser alignment technology to help with the overall shaft alignment of your machinery.

## WHAT THIS COURSE COVERS

- The Importance of Alignment
- Align Two Pieces of Rotating Machinery  
Energy Saving Techniques
- Recognize Piping Induced Stress Problems to Correct Soft Foot
- Check Runout
- Symptoms of Misaligned Rotating Machinery
- Tools and Techniques to Control Lateral Movement of Machinery
- Hands-On Practice with Alignment Laser

## COURSE OUTCOMES

- Identify the Symptoms of Misaligned Rotating Machinery
- Correct a Variety of Issues in the Machinery
- Master Proper Alignment in Order to Cut Energy Costs

## WHO SHOULD TAKE THIS

- Apprentice and Experienced HVAC Technicians  
Owners and Managers
- Support Staff Warehouse Employees
- Maintenance Technicians, Energy Management Personnel, Electricians
- Facility Maintenance Technicians \ Building Engineers
- Building Managers \ Superintendents \ Facility Managers
- Stationary Engineers \ Safety Directors
- Anyone Who Needs Cross-Training On Rotating Equipment

## COURSE AGENDA

- Alignment Objectives and the Importance of Basic Maintenance
- Economics of Alignment, Methods, Standards and Tolerances
- Basic Dial Indicator Method
- Reverse Dial Indicator Method
- Rim and Face Method
- The Real World of Alignment
- The Real Point of Alignment
- Cover Appendices A-F

Lecture     Hands-on    •    **ONSITE:** 2-days (16 hours)    •    **LIVE ONLINE:** N/A



ONSITE - TRAINING TOUR - LIVE VIRTUAL - ONLINE - HANDS ON - AUDITS - CONSULTING - **TRAINED WORKERS. STRONGER COMPANIES.**  
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