

Shaft Alignment

This five-day course designed to remove these problems from your facility by teaching the most current alignment techniques used in industry today. Vibration problems are the cause of 50-70% of all rotating mechanical equipment failures. Most vibration problems can be traced back to the alignment condition of the machine. Considering that alignment is historically the number one cause of component failure, this course is the foundation for all maintenance personnel involved with the installation and repair of rotating mechanical equipment.

I. Alignment Fundamentals

- Types of Misalignment
- Causes of Misalignment
- Effects of Misalignment
- Indications of Misalignment
- Alignment Tools
- Alignment Methods

VI. Non-Standard Alignments

- Multiple Feet/Bolts
- Multiple Machines
- Jackshaft Alignment

II. Alignment Preparation

- Pre-Alignment Checklist
- Soft Foot
- Bar Sag

III. Stages of Alignment

- Stages
- Moving the Machine

IV. Precision Alignment

- Rim and Face
- Cross Dial
- Reverse Dial

V. Thermal Growth

- Thermal Growth Calculation
- Alignment Corrections with Thermal Growth
- Determining Final Indicator Readings