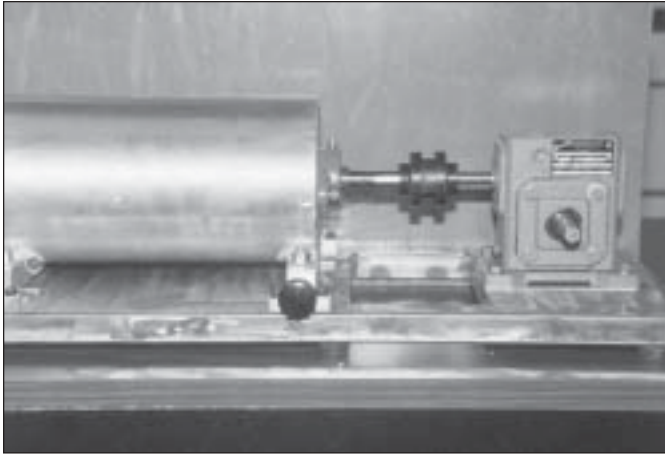


## Precision Alignment



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### Description

This hands-on one day course will introduce the students to various precision alignment techniques used to correctly align industrial rotating equipment. The students will learn to do precision alignment using three different methods: 1. Graphical alignment, 2. Mathematical alignment, 3) Use of an alignment computer

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### Outline

- Introduction to Precision Alignment
- Factors That Influence Alignment
- Precision Straight Edge Alignment
- Alignment Using Dial Indicators
- Thermal Growth as it Affects Alignment
- Rim and Face Alignment
- Reverse Dial Alignment
- Jack Shaft Alignment
- Tricks to Mastering Alignment
- Laser Alignment (Optional)

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### Prerequisites

There are no prerequisites for this course except a willingness to learn precision alignment. This is an excellent course for a journeyman, apprentice or machine setup man.

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### Course Length

8 hours is the standard length of this course, however, it may be extended at the customer's request.

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### Performance Objectives

At the completion of this course the participant will be able to:

- Correctly align a variety of industrial machines.
- Understand the effects of misalignment on the life of the machine.
- Demonstrate an understanding of precision alignment.
- Understand how to correctly set up a machine allowing for thermal growth.