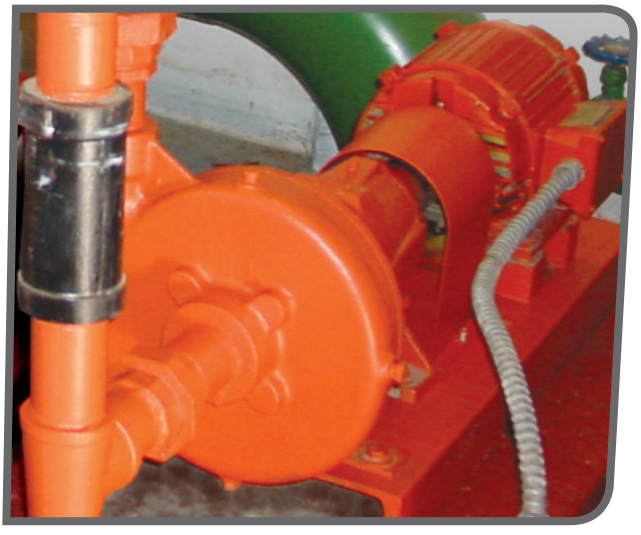
SHAFT ALIGNMENT

Proper alignment of rotating machinery can help cut your energy costs and increase the "in-production" time of your equipment, lower your maintenance costs and increase bearing life.

Learn to identify the symptoms of misaligned rotating machinery. Then use the proper tools to correct a multitude of issues ranging from piping induced stress to soft foot to run out.

Combine computer software technology with your hands-on skills to help with shaft alignment.



CLASS FORMAT:

Lab + classroom

The participant is able to "learn-by-doing" in the course; this knowledge can be transferred to the workplace.

STANDARD SIZE CLASS:

NTT recommends a class of no more than 12 participants for the best results

NTT PROVIDES:

- 2-days (16 contact hours) of on-site instruction
- Textbooks and lab manuals
- Classroom consumables
- Completion certificates
- Shipping and instructor travel logistics

CLIENT PROVIDES:

- Classroom, with easy access, of 750 square feet or greater
- Projection screen, white board and flip chart(s)
- A dock facility or a forklift to unload the training equipment
- A pallet jack to move the crates around after they have been unloaded
- The equipment should be placed in the training room for the NTT instructor to test and setup prior to the start of class

NTT Training

SHAFT ALIGNMENT

COURSE AGENDA | 2-Day Hands-On

THE IMPORTANCE OF ALIGNMENT

- Align two pieces of rotating machinery
- Soft foot
- Run out
- Symptoms of misaligned rotating machinery
- Piping induced stress problems
- Tools and techniques to control lateral movement of machinery
- Accurate alignment
- Measuring misalignment
- Measure alignment with different coupling types
- Checking alignment
- Supervising contractors
- Alignment systems
  - Laser
  - LVDT
  - Electromechanical
  - CCD sensors
- Computer software programs

LAB EXERCISES

- Measure of run out
- Measure and correct soft foot problems
- Perform three common shaft position measurements
  - Face peripheral
  - Reverse indicator
  - Shaft to coupling spool
- Measure bracket sag and adjust shaft position measurements