

# 4-DAYS of HANDS-ON TRAINING



## PRECISION MAINTENANCE **SKILLS 1**

“REDUCING COMMON ASSEMBLY ERRORS TO EXPONENTIALLY EXTEND EQUIPMENT LIFE”

### CEDAR RAPIDS, IA / NOV 10-13

**LEARN HOW TO EASILY DOUBLE OR TRIPLE ROTATING EQUIPMENT LIFE** by making vibration much lower through the elimination of common assembly errors & adherence to rigid precision installation, rebuild, & maintenance standards which we will show you how to achieve with little or no extra down time.

Participants will disassemble, reassemble, correct defects, perform precision alignment for both in-line coupled & v-belt driven machines, and measure the noticeable improvements as common field & shop assembly errors are eliminated from our running and static simulators. Course Objectives include:

- Understand what Precision Maintenance is & how to achieve w/o extra downtime
- Identify & avoid common assembly errors
- Basic Bearing installation problems & corrections
- Correct common fit & tolerance problems
- What is good, fair & bad vibration & how it affects equipment life
- Lower vibration & exponentially improve MTBF
- How to significantly improve & retain balance
- Improve “status-quo” alignment standards & achieve precision alignment
- Create smooth running belt drives
- Reduce energy consumption by 5%, 10% or more on most equipment
- Learn common lubrication errors & how to avoid

**RECOMMENDED AUDIENCE:** Maintenance and Construction Craftsmen, Apprentices, Front-line Supervisors, Project & Reliability Engineers, Maintenance Managers, & Superintendents, Operations Personnel and significant others implementing plant reliability improvement.

*\*Certificate issued upon course completion*

**HOSTED AT** Kirkwood Continuing Educ. Training Center  
101 50th Ave SW  
Cedar Rapids, IA 52404

**Kirkwood**  
CORPORATE TRAINING

**DATES /TIMES** NOV 10-13 (Mon.-Thurs.)  
7:00 AM - 5:00 PM

**COST** \$ 2,995.00/seat

\*Light Breakfast & Full Lunch provided daily

**REGISTER / QUESTIONS CONTACT:**

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[www.PrecisionMaintenance.com](http://www.PrecisionMaintenance.com)