



Work Execution

WE242

Precision Maintenance Skills – Part 2

Recommended for

Maintenance personnel responsible for machinery repairs; however, all plant personnel can benefit from the information presented in this course. Managers and supervisors who oversee maintenance activities will gain an understanding of the support and tools required to become truly proactive.

Course objective

Provide information and training that enables plant personnel to increase productivity by improving the performance and reliability of rotating machinery.

2009 course schedule

Sept. 22–25	Philadelphia, PA
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2009 tuition

Public classes	\$1,095
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On-site	
per class	\$12,995
# people	16
17+ people	\$395 per person

4 days

A written examination is included with this course and is conducted on the afternoon of the final day of class.

Course description

SKF has designed Precision Maintenance Skills – Part 2 in a practical format utilizing hands-on exercises to teach and demonstrate the relationships between precision techniques and machine performance.

The WE242 course expands on the techniques and practices presented in the Part 1 course – troubleshooting, problem identification, correction, precision assembly, and post-maintenance inspection. From rotor assembly to proper belt installation, students will learn to employ world-class practices in a cost- and time-effective manner. Concepts of machinery vibration and condition monitoring are reinforced as tools to evaluate the condition of existing machinery and the effectiveness of repairs.

This course covers most rotating machines in any industry but emphasizes coupled horizontally mounted machines with rolling element bearings and belt-driven machinery. On-site programs can be designed to address specific machinery or maintenance concerns.

The course includes the following topics, with an emphasis on providing solutions to specific maintenance and reliability problems:

- Review of proactive and precision maintenance
- Improving rotor balance through specifications and precision assembly. Techniques to make any machine run more smoothly
- Maximizing rolling element bearing life—installation, handling, lubrication, and inspection
- Belt-driven machinery—assembly, alignment, tensioning to obtain maximum belt and bearing life
- Lip and mechanical seals – maximizing life, controlling and positioning of shafts

Prerequisites

RM On-line course*

WE170 Basics of Industrial
WE150 Balancing basics

Reading material*

MB02004 An introduction to dynamic balancing
NC_0544 Field balancing tips
G504007 Belt alignment
CR_RB02039 Shaft seal FAQ

* On-line learning material at aptitudeexchange.com