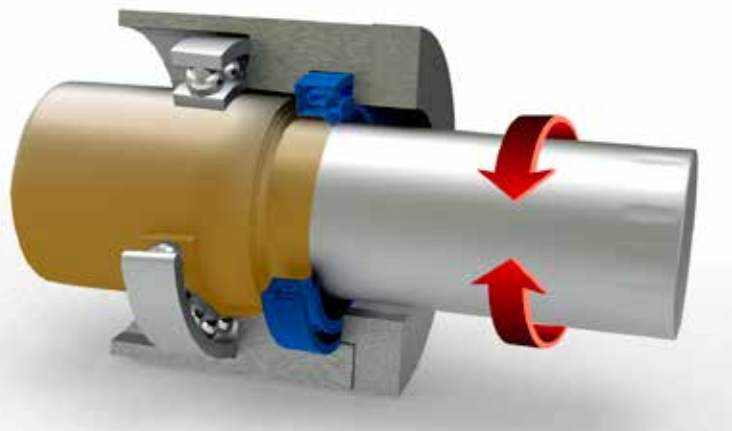


SEAL BASICS

eLearning courses designed to increase productivity and profits



Learning made Simple, Visual, and Interactive

Seals serve as integral components in diverse industries, safeguarding mechanical system integrity.

The THORS *Seal Basics* course provides a comprehensive understanding of static and dynamic seals, their sealing principle, materials used, classification, and applications.

Credit Hours **1.5**

Learning Objectives

- Define a seal and explain its significance in various industries.
- Differentiate between the different types of static and dynamic seals.
- Elaborate on the sealing principles of different seal types.
- Understand the categorization of both static and dynamic seals.
- Summarize the materials, advantages, limitations, and applications of various seals.

Table of Contents

I. Static Seals

- O-Rings
 - Materials Used
 - Classification
 - Sealing Principle
- Gaskets
 - Materials Used
 - Classification
 - Sealing Principle
- Sealants

II. Dynamic Seals

- Rotary Seals
 - Materials Used
 - Types
 - Sealing Principle
- Reciprocating Seals
 - Materials Used
 - Types
 - Sealing Principle
- Oscillating Seals

