

# Horizontal Machining Center (HMC) Machine Safety

*eLearning courses designed to increase productivity and profits*



## **Learning made Simple, Visual, and Interactive**

The THORS *Horizontal Machining Center (HMC) Machine Safety* course reviews the basic safety measures for operating machining centers, with a focus on Makino™ machines. The mechanical, liquid, and electrical hazards of horizontal machining centers are addressed in detail throughout the course. The interactive Lightning Learning format of this course helps learners make visual connections with the various machine components and concepts required for machining center operations.

Learning Hours **1.5**

## **Learning Objectives**

- 💡 Understand the general safety and mechanical hazards for HMCs.
- 💡 Identify the basic liquid machine hazards for HMCs.
- 💡 Recall the electrical machine hazards and operation modes for HMCs.

## **Table of Contents**

### **I. What Are General Machine Safety and Mechanical Hazards?**

- Machine Safety Overview
- Mechanical Hazards Outside of the Machine
- Mechanical Hazards Inside of the Machine

### **II. What Are Liquid Machine Hazards?**

- Liquid Safety Overview
- Handling Coolants
- Liquids Under Pressure

### **III. What Are Electrical Machine Hazards?**

- Electrical Safety Overview
- Machine Power Specifications
- Machine Safety Bypass

