

# TURNING CENTER VIDEO SERIES 1

Data-driven, time efficient training for Machine Tools, Machines, and Manufacturing Operations



This Turning Center Lightning Learning course is comprised of five assessments, each of which is followed by a 5-8 minute fully narrated video lesson based on the results from its corresponding assessment.

Learning Hours **2.5**

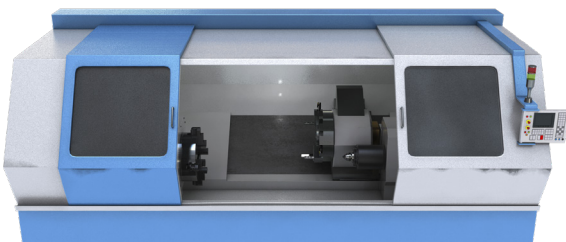


## Learning Objectives

- 💡 Understand the basic concept and functionality of a turning center
- 💡 Identify the mechanical, electrical or electronic, and accessory elements of a turning center
- 💡 Recognize the four-quadrant system used to measure tool movements for operations such as turning, facing, boring, grooving, and drilling
- 💡 Recall the nine attributes of the tool holder and its nomenclature
- 💡 Recall the seven attributes of the cutting tool insert and its nomenclature

## Course Topics

- Introduction to Turning
- Turning Center Machine Elements
- Turning Tool Movement and Operations
- Turning Center Tool Holder Nomenclature
- Turning Center Insert Nomenclature



### How Users Applied their Knowledge:

**“Adjusted my RPM and Feedrate for my roughing operation!”**

–Dave A., CNC Turning Center Operator with 7 years experience

**“Able to resolve a Tool Breakage issue!”**

–Sandip S., Senior Manufacturing Process Engineer with 13 years’ experience

**“Business Intelligence Analytics were very useful in Objectively Identifying and Addressing Knowledge Gaps! “**

–HR System Administrator