

CYLINDRICAL GRINDING VIDEO SERIES 1

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



The Cylindrical Grinding Video Series 1 course introduces learners to the basic terminology, functions, and components associated with modern cylindrical grinding machines. The series also addresses the axis coordinate system applied to cylindrical grinding, the required grinding tools, such as grinding wheels and dressing tools, and the best practices commonly employed in the operation.

Learning Hours **2.5**

This video series was designed in partnership with Hardinge Inc.



Learning Objectives

- Understand the operational concepts related to cylindrical grinding machines.
- Recognize the components and systems of a cylindrical grinding machine.
- Comprehend the axis coordinate system used in cylindrical grinding machines.
- Recall the basic machine codes for programming various machine functions.
- Explain the safety and best practices required during grinding.

Course Topics

- Introduction to Cylindrical Grinding
- Cylindrical Grinding Machine Components and Systems
- Cylindrical Grinding Machine Axis Coordinate System
- Cylindrical Grinding Programming and Machine Codes
- Grinding Best Practices and Troubleshooting

