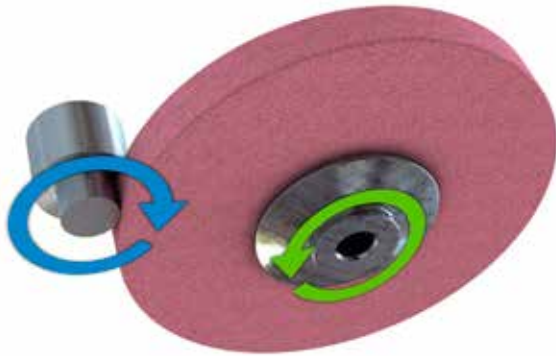


CYLINDRICAL GRINDING PROCESS PARAMETERS

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Learning made Simple, Visual, and Interactive

Grinding parameters are key to the cylindrical grinding processes. The surface finish of the workpiece can be improved by adjusting the grinding parameters. The THORS *Cylindrical Grinding Process Parameters* course provides a comprehensive understanding of the various grinding and dressing parameters of plunge and traverse grinding operations.

Credit Hours **2.00**

Learning Objectives

- Define cylindrical grinding parameters.
- Describe the various grinding and dressing parameters.
- Differentiate between common parameters and specific parameters.
- Understand the influence of grinding parameters.
- Recognize the techniques used for evaluating workpiece quality.

Table of Contents

I. Grinding Parameters

- **OD Grinding Parameters**
 - Common Parameters
 - Wheel Dimensions
 - Wheel Speed
 - Workpiece Dimensions
 - Workpiece Speed
 - Speed Ratio
 - Grinding Allowance
 - Depth of Cut
 - Average Chip Thickness
 - Cycle Time
 - Plunge Grinding Parameters
 - Transverse Grinding Parameters
- **ID Grinding Parameters**
 - Wheel Speed and Diameter
 - Specific Material Removal Rate

II. Dressing and Quality Evaluation

- **Dressing Process**
- **Process Parameters**
 - Surface Finish
 - Effective Width
 - Depth of Cut
 - Overlap Ratio
 - Dresser Feed Rate
- **Quality Evaluation**

