

## **Advanced Tooling Applications**

### **Description:**

This course will provide an advanced understanding of Sandvik Coromant tooling selection and application with regard to tool geometries, tool coatings, and toolpath strategy. This course will teach participants how to maximize the efficiency of Haas machine tools through proper tool selection and application. Participants will learn intelligent toolpath strategies to maximize tool life and optimize tool performance.

Attendees will learn how to properly select an insert based on grade and geometry. Participants will also learn techniques for maintaining radial, axial, and ball nose chip thickness while using various Sandvik Coromant face mills, shoulder mills, and solid carbide cutting tools. Attendees will be exposed to various drill applications including the use of Sandvik Coromant solid carbide and inserted indexable drills. Lathe applications will include threading, internal turning, and external turning. Participants will also be exposed to the advantages of dampened tools in long reach applications.

### **Supplemental Materials:**

Sandvik Coromant Technical Guide

Sandvik Coromant PowerPoint presentations

### **Summary:**

3 eight hour days

Classroom and lab time

Cost: \$1350.00 (\$1,000 Gene Haas Scholarship available for teachers)

Cost for teachers: \$350