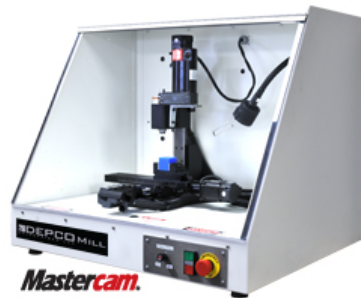


CNC Machining Level 2



Description

The CNC Machining Industrial Training Center exposes students to components of the manufacturing and design process including material selection, milling types, occupational safety, and quality control. Students will also mate parts, learn multiple tool techniques, and create a mold.

Objectives

- Read a dial indicator and digital caliper.
- Identify, select, and install mill tooling.
- Setup the stock and machine for milling.
- Create your own design using the CNC mill.
- Apply lockout/tagout techniques.
- Learn basic operations of computer aided drafting.

Activities

- Lesson 1 Level 1 Review I
- Lesson 2 Level 1 Review II
- Lesson 3 Occupational Safety
- Lesson 4 CAD Design Process
- Lesson 5 Design Process
- Lesson 6 Materials
- Lesson 7 Material Failure
- Lesson 8 Drilling Operations
- Lesson 9 Facing
- Lesson 10 Conventional Milling
- Lesson 11 Climb Milling
- Lesson 12 Pocket Milling
- Lesson 13 Contour Milling
- Lesson 14 Adjusting for Materials
- Lesson 15 Mating CNC Parts
- Lesson 16 Quality Control
- Lesson 17 Machine a Wheel Hub
- Lesson 18 Multiple Tooling
- Lesson 19 Create a Casting Mold
- Lesson 20 Challenge and Review

Standards

DEPCO courseware is developed from the Manufacturing Skill Standards Council (MSSC) and the National Skill Standards Board (NSSB). Close correlation with these standards will provide students with the skills and knowledge necessary for success in the workplace.

Module Includes:

Level 2 Industrial Training Center Includes: Depco CNC Machining Training Manual, DEPCO CNC Machining Instructor's Manual, DEPCO CNC Machining Installation CD, and Headphones (2).

Curriculum Specifications

CNC Machining Level 1 is the prerequisite.