

# Principles of Machining| Hands-On Interactive eLearning



## eLearning Course: MXPE102

Amatrol's Principles of Machining Centers eLearning course (MXPE102) provides an overview of the equipment and applications used in the machining process. Learners will study the history of machining centers, major components of horizontal and vertical machining centers, major types of machining centers, and common machining center operations.

## Principles of Machining

### What is Manufacturing? What are Different Types of Manufactured Products?

Manufacturing is the process of converting raw materials and parts into finished goods. Finished goods are sold to other manufacturers for use as components in more complex products, or sold directly to consumers. Manufacturing is important to everyone because every product we use must be manufactured. Manufacturing invents and produces the products people want and need. One major segment of manufacturing involves production of transportation devices, such as automobiles, airplanes, and ships.

Manufacturing also involves production of communication and electronic devices, such as cell phones, televisions, computers, and networking equipment. Another segment of manufacturing includes the production of products in liquid and gas form. This is called process manufacturing and product examples include pharmaceuticals, shampoo, hair care products, and toothpaste. Manufacturing even includes production of food and beverages. In fact, the food and beverage manufacturing segment is one of the fastest growing industries around the world, which includes fresh produce, bottled drinks, frozen and processed foods, and meat products.

### Principles of Machining Centers eLearning Features Multimedia Courseware

Amatrol's peerless interactive multimedia curriculum utilizes text with voiceovers, pictures, videos, stunning 3D animations, and interactive quizzes and reviews that engage learners in theoretical knowledge and concepts. This thorough, detailed curriculum begins with the basics and advances to complex concepts. Through partnerships with key industry leaders and leading educators, Amatrol developed the right balance of knowledge to train learners to work in their chosen field.

## Additional Info

## Computer Requirements

---

### **Address**

**Amatrol  
2400 Centennial Blvd  
Jeffersonville, IN 47130**

### **Contacts**

**email: [contact@amatrol.com](mailto:contact@amatrol.com)  
phone: (800) 264 8285**