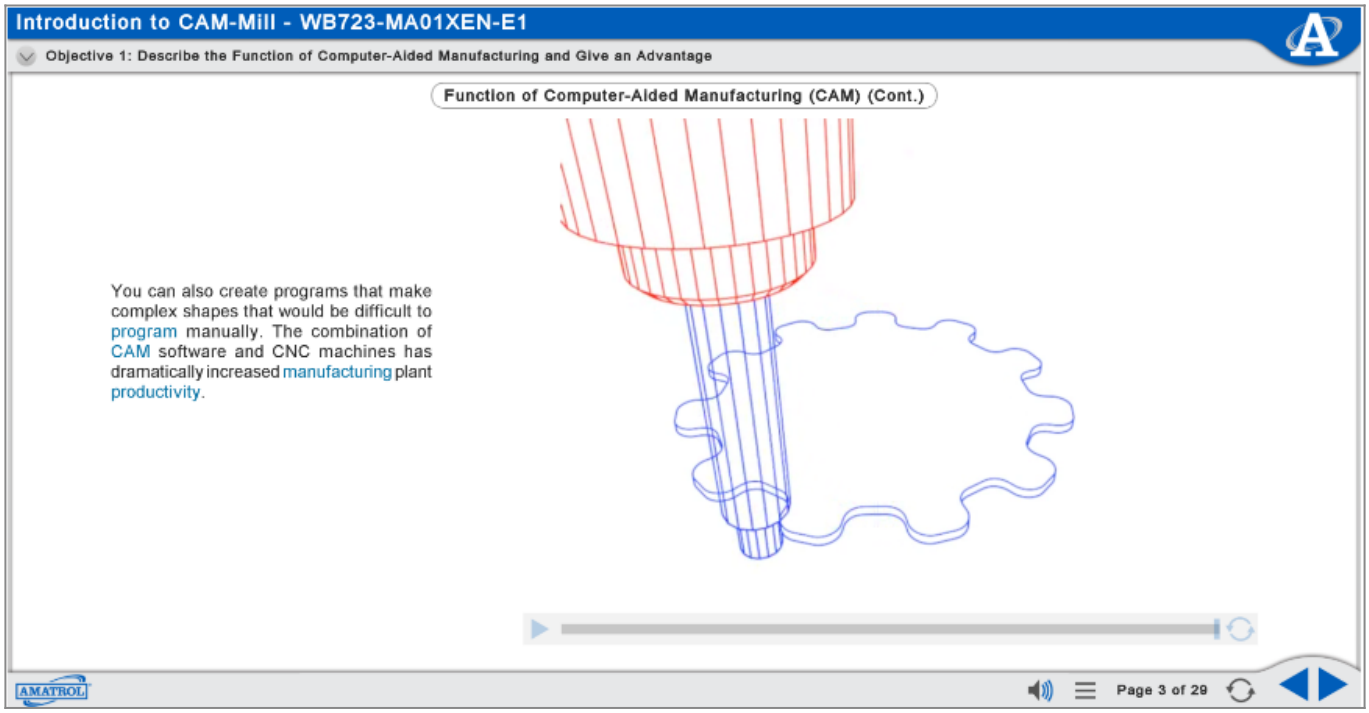
Computer-Aided Manufacturing 1 Training | CAM eLearning Course



eLearning Course: MB723

Amatrol's Computer-Aided Manufacturing (CAM) 1 eLearning course covers major CAM-related topics like CAD/CAM geometry, contouring, cycle time estimation, tool and material selection, cutter compensation, parameter pages, roughing and finishing, drill toolpath, and pocket toolpath. Learners can use this knowledge to practice valuable hands-on skills such as using the CAM software to display and print a CNC program, creating a part program using a contour toolpath, and designing a CAM part with a 3D contour.

Teach CAM

What is the Definition of Computer Aided Manufacturing?
Computer-aided manufacturing uses special software to convert computer-made part drawings into lists of instructions. These instructions can command CNC machines to mill parts. You can create part drawings with the CAM software or import drawings from a CAD package. CAM software then creates the CNC program. This eliminates the need for a programmer to take a CAD drawing and manually recreate a CNC program. This approach lets you create programs more quickly.

You can also create programs that make complex shapes that would be difficult to program manually. The combination of CAM Software and CNC machines has dramatically increased manufacturing plant productivity. Most CAM software packages have CAD Commands that allow you to draw a variety of shapes, including rectangles, circles, cylinders, lines, and letters.

Interactive eLearning

Engaging Multimedia for CNC CAM eLearning
Amatrol's extensive, thorough multimedia covers computer-aided manufacturing. Interactive screens paired with instructive graphics teach an array of computer-aided manufacturing topics from introducing learners to CAM to teaching them how to make parts with CAD/CAM. With the optional hardware, learners can then apply this theoretical knowledge to immediate hands-on skills. For example, learners study cycle time estimation and then

manually estimate the machining time of a toolpath using the Backplot function for practice. This combination of theory and practice ingrains concepts in a learner’s mind and makes more advanced topics easier to comprehend.

Additional Info

Requires:

- Computer (see Computer Requirements)

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