

Machine Tools 2 eLearning | Manufacturing Hand Tools, Milling Machines, & Processes Training

Introduction to the Manual Milling Machine - WB702-XX02XEN-E2

Objective 5: Explain How Backlash Affects the Accuracy of a Mill

Collar Reading

However, if the handwheel is turned in the other direction, counterclockwise, the spur gear will have to rotate a small amount before making contact with the rack gear. Since the collar reads the distance traveled by the spur gear, the reading will change even though the table does not move. Therefore, the reading of the collar will be wrong in some cases.

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eLearning Course: MB702

Amatrol's Machine Tools 2 eLearning course (MB702) introduces manufacturing hand tools by describing basic bench-work tools, file operations, and round stock layout. Also introduced in this section is the manual milling machine which includes describing milling machine components, safety, and operation. In discussing milling processes, students can apply knowledge to build skills in milling a step, milling slots, and milling pockets.

Teach Hands-On Skills

Get the 96-MP2 Learning System

While this eLearning course stands on its own, learners can also enjoy a hands-on approach with the option of Amatrol's Machine Tools 2 Learning System (96-MP2). The 96-MP2 expands on the 96-MP1 and allows learners to practice hands-on skills like squaring the ends of a part using a file, operating manual controls on a milling machine, and milling a step on a part using layout lines. Additional learning topics include basic benchwork tools, round stock layout, milling machine components and safety, and milling slots and pockets.

Interactive eLearning

Highly-Interactive Multimedia Format Appeals to All Learning Styles

Amatrol's eLearning course curriculum features a highly-interactive multimedia format. Stunning 3D animations, videos, pictures, voiceovers of all text, and interactive quizzes and exercises bring learning to life. Amatrol's multimedia curriculum contains elements that will appeal to every learning style, keeping learners motivated and engaged.

Anytime, Anywhere Access Promotes Self-Paced Learning

In today's fast-paced, technology-driven world, it's more important than ever to extend the reach of industrial skill training beyond the borders of traditional classrooms. Amatrol's eLearning meets the challenge for flexibility by offering in-depth, comprehensive technical skills training via an intuitive, easy-to-use web-based Learning Management System (LMS).

With anytime, anywhere online access, Amatrol's eLearning allows learners to set their own pace at home, on the job, in a traditional class setting, or a blended approach of these options.

Additional Info

Requires:

- Computer [\(see Computer Requirements\)](#)

Options:

- Machine Tools 2 Learning System (96-MP2)
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Address

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