

Mechanical Fabrication Learning System

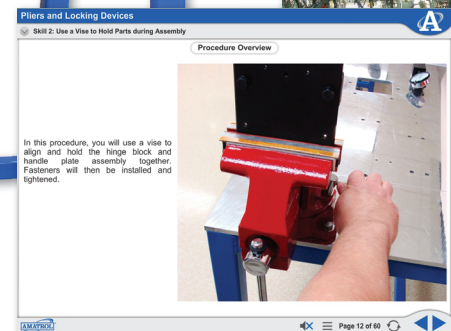
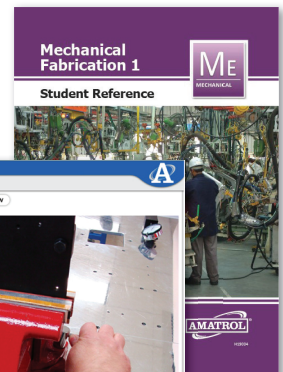
950-MPF1

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MECHANICAL



950-MPF1



Optional Interactive Multimedia Curriculum and Student Reference Guide

Learning Topics:

- Assembly Concepts
- Bolt Types, Sizes, Grades
- Operation of Washers
- Threaded Fastener Inspection
- Wrench Application
- Installing and Connection Pipes and Hoses
- Pneumatic System Fabrication
- Operation of Nut Drivers and Screwdrivers: Flat Head, Phillips
- Use of Pliers and Locking Devices
- Construction, Safety of Mallets and Non-Threaded Fasteners
- Torque Calculation
- Categories of Portable Power Tools

Amatrol's Mechanical Fabrication Learning System (950-MPF1) covers industry-relevant mechanical fabrication skills required for mechanical assembly. Students learn about the many types of bolts, wrenches and other fittings commonly used in industry and how to properly apply them. This includes pneumatic fabrication fittings. These skills are especially important, as manufacturers are having trouble finding individuals with these basic hand tool skills. Testing fittings with air and a liquid soap solution determines if a pressure type seal has been made. This technique, for instance, is often used in industry because there is too much noise on the plant floor to hear a leak and determine its precise location.

This 950-MPF1 includes a workstation, precision fabrication parts set, mechanical fabrication tool set, standard parts set, component kit, skills part kit, tool kit, hardware kit, and bolt stretch kit. The components of this trainer are all industrial quality not only to ensure durability, but also to help learners become better prepared for what they will encounter on the job. All Amatrol products are made from the highest quality materials and carefully crafted to create assembly situations that are commonly found on the job. These well designed systems facilitate learning and will serve teachers and students for years to come. Amatrol uses components that learners will find on-the-job in order to give the best opportunity to build confidence and industrial competencies.



Technical Data

Complete technical specifications available upon request.

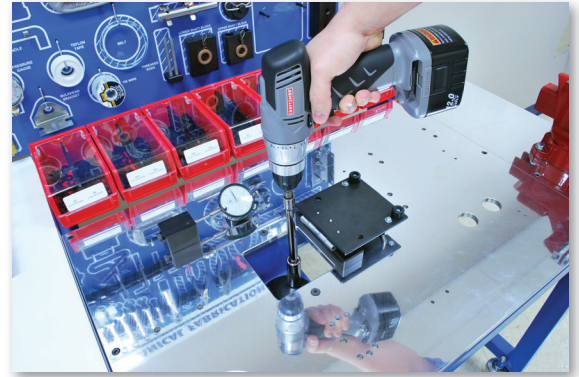
Mobile Workstation
Construction Panel
Fabrication Parts Kit
Mechanical Parts Kit
Skill Component Set
Pneumatic Kit
Fabrication Tools Kit
Mechanical Fabrication Component Set
Fabrication Parts Set
Mechanical Tools Kit
Hardware Kit
Bolt Stretch Kit
Multimedia Curriculum (M19004)
Teacher's Assessment Guide (C19004)
Installation Guide (D19004)
Student Reference Guide (H19004)

Additional Requirements:

Computer, see requirements: <http://www.amatrol.com/support/computer-requirements>

Industrial Grade Components for Real-World Training

This Mechanical Fabrication Learning System uses industrial quality components to help assure that students are better prepared for what they will encounter on the job. Learners will use these components to practice vital skills, such as how to recognize the many types of bolts, washers and fasteners. They will also learn about the operation of wrenches, pliers, power tools commonly used in industry and how to properly apply them.



Self-Paced Manufacturing Processes Curriculum and Hands-On Skills



Optional Interactive
Multimedia Curriculum

This learning system also offers the option of Amatrol's world-class Multimedia curriculum, which combines strong theoretical knowledge and concepts with hands-on skills for the best industrial competency-building on the market. This thorough, exceptionally detailed curriculum starts with the basics and steadily advances to more complex concepts and skills. The 950-MPF1 teaches how to use c-clamps, vises, and torque wrenches, and other vital skills.

Student Reference Guide

A sample copy of the Mechanical Fabrication Student Reference Guide is also included with the system for your evaluation, with Multimedia. Sourced from the system's curriculum, the Student Reference Guide takes the entire series' technical content contained in the learning objectives and combines them into one perfectly-bound book. Student Reference Guides supplement this course by providing a condensed, inexpensive reference tool that learners will find invaluable once they finish their training making it the perfect course takeaway.

