

# Hand Tools (BA05)

## FOUNDATIONS



### SKILLS-BASED TRAINING

The JobMaster™ Industrial Maintenance and Mechatronics Training teaches the specialized skills required for today's industrial technicians. JobMaster™ provides a superior blended learning solution for automated manufacturing training by combining industrial-grade components with engaging e-learning content.

JobMaster™ courses are entirely skill-based, consisting of individual exercises that reproduce essential tasks performed by maintenance technicians, equipment operators, and machine repairmen. Each skill has been analyzed and field-tested by qualified maintenance technicians to teach the specific skills needed in the industrial environment.

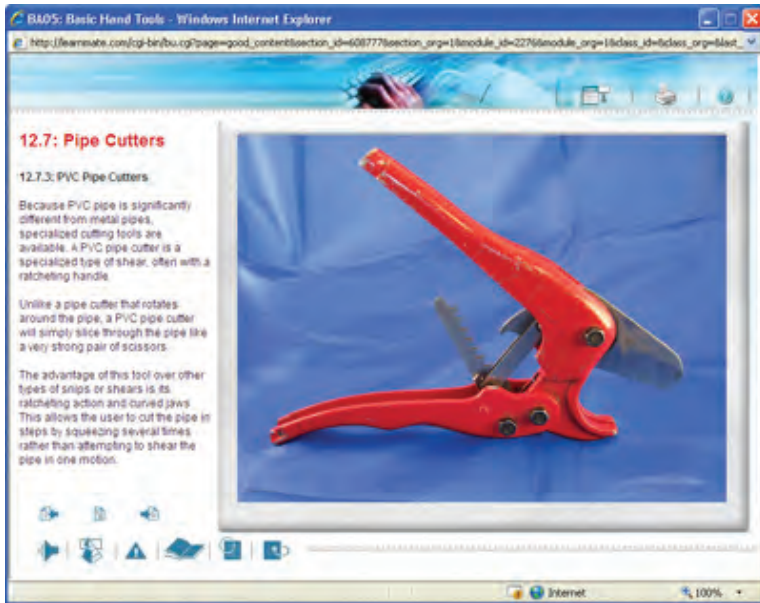
intelitek's partners in development of the curriculum include twelve major US industrial companies, including Boeing, Caterpillar, Ford, GE, and US Steel.

***JobMaster™, the new standard in industrial maintenance and mechatronics training!***



JobMaster™ courses are powered by LearnMate™ - intelitek's innovative e-learning platform. LearnMate's self-paced interactive content may be deployed stand-alone or through the robust learning management system (LMS). The LearnMate™ e-learning suite provides everything needed for the ultimate blended learning experience

- SCORM-compliant interactive content
- Anytime, anywhere accessibility
- Student and class management
- Grade tracking
- Skill/competency reporting mapped to national academic skill standards



Even in the most automated shop environments, hand tools play a key role in machine installation and maintenance. **Hand Tools (BA05)** features skills-based curriculum delivered through LearnMate™, intelitek's innovative e-learning platform. Through seventeen activities, students learn all aspects of using hand tools in industrial environments.



Hand Tools (BA05) may be taught as a virtual course, delivered entirely online with interactive activities, or as a blended course with both virtual and hardware-based activities. For blended lab applications, a separate hardware package is available with all the tools covered in the activities.\*

Core concepts are taught through self-paced e-learning curriculum. All the necessary resources, including printable instructions, are available online, ready for use in the classroom.

With JobMaster, you can be sure your training program will deliver the skills needed for success in automated manufacturing careers!

# Hand Tools (BA05)

## Materials Included

Order #14-BA05

- Hand Tools E-Learning Curriculum

## Materials Required (not included)\*

Order #10-BA05

- Hardware-only package

- |   |                                    |
|---|------------------------------------|
| ■ Allen wrench set                                      | ■ 3/8" cold chisel                 |
| ■ 12" steel rule  | ■ 12" hacksaw frame                |
| ■ 25' tape measure                                      | ■ 12" hacksaw blade                |
| ■ 6" Dial caliper                                       | ■ Bull nosed pliers                |
| ■ Feeler gauge set                                      | ■ Straight tin snips               |
| ■ Combination square with right, center and angle heads | ■ Fine, flat metal file            |
| ■ Utility knife, retractable                            | ■ Ratcheting screwdriver with bits |
| ■ Scribe  | ■ Combination wrench set           |
| ■ 6" Bench vise   | ■ Socket set with 3/8" driver      |
| ■ 16 oz. Ball-peen hammer                               |                                    |

\* consumables for activities not included.

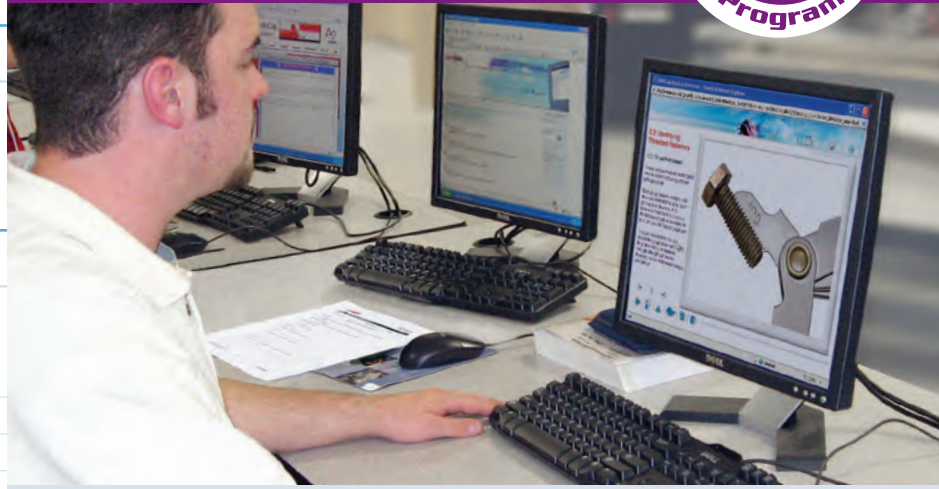
## Skills Acquired



- Skill 1: Practicing Shop Safety
- Skill 2: Reading Rulers and Tape Measures
- Skill 3: Using Calipers and Feeler Gauges
- Skill 4: Working with Squares and Levels
- Skill 5: Cutting with Knives
- Skill 6: Scribing and Punching Materials
- Skill 7: Using Work Holding Devices
- Skill 8: Using Hammers
- Skill 9: Using Chisels
- Skill 10: Cutting with Saws
- Skill 11: Working with Pliers
- Skill 12: Identifying and Using Cutters
- Skill 13: Filing and Deburring with Hand Tools
- Skill 14: Working with Drivers
- Skill 15: Identifying and Using Hex Keys
- Skill 16: Identifying and Using Wrenches
- Skill 17: Identifying and Using Socket and Torque Wrenches



## FOUNDATIONS PROGRAM



**Hand Tools (BA05)** is part of the Foundations Program, which teaches the job-ready skills essential for career success.

Foundations courses focus on the critical skills for entrants to the workforce including safety,

applied math and employability.

The Foundation Program ensures students are workforce-ready: the foundation of success for tomorrow's skilled workforce!

### The Foundations Program includes:

- Employability Skills
- Introduction to Advanced Manufacturing
- Industrial Safety: Lockout/Tagout
- Mathematics for Technicians
- Mechanical Blueprint Reading
- Mechanical Measurement and Quality Control
- Lubrication for Technicians
- Power Tools
- Mechanical Training Bench

**and more!**



**Make Hand Tools (BA05) part of a comprehensive STEM program!**



Foundations courses form an excellent basis for a wide range of STEM programs. Add virtual, hardware-based or blended learning labs to deliver in-depth Advanced Manufacturing, Mechatronics and Industrial Maintenance programs.



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