



## Technical Data

Complete technical specifications available upon request.

Siemens S7-1200 PLC  
Motor, 3-Phase, 1/3Hp, 9 Lead  
Motor Disconnect Switch  
Terminal Blocks (8)  
Bridge, Terminal Block, 2 position (10)  
Bridge, Terminal Block, 5 position (2)  
Bridge, Terminal Block, 10 position (2)  
Terminal Block, grounding  
Terminal Block, dual-level (5)  
Terminal Block, cage clamp (5)  
VFD, Allen-Bradley  
Multimedia Curriculum (M17461)  
Instructor's Guide (C17461)  
Installation Guide (D17461)  
Student Reference Guide (H17461)

### Additional Requirements:

PLC Programming Software

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

### Utilities:

Electricity provided by 850-MT6B

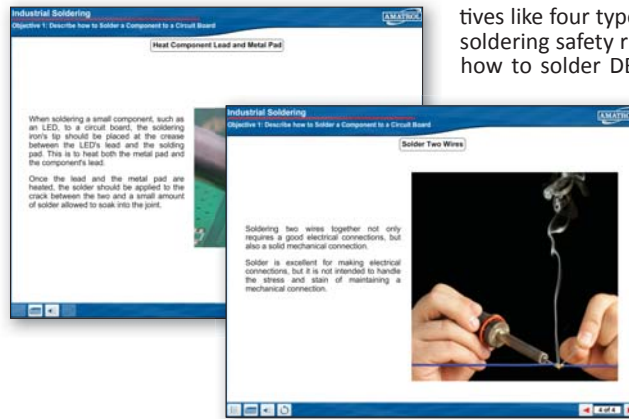
## Build Skills Like Using a Pump Plastic Vacuum to De-Solder a Connection

In addition to the soldering iron, heat gun, and burnishing tool, this learning system features a circuit board assembly LED, wire brush, heat sink clamp, wire strippers, pliers, and more. As an example of how these tools are used, learners first study how to how to solder DB connectors to cable wire and then will use the supplied tools to solder a DB-9 connector to a Modbus cable.



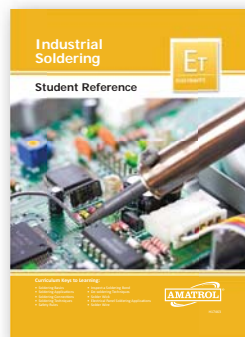
## Study Soldering Connection Types, Inspection, and Safety within Stunning Interactive Multimedia Curriculum

Amatrol's world-class curriculum combines vital theoretical knowledge with applicable hands-on skills in order to strengthen the connection between the 'how' and 'why' of important industrial topics. The 85-MT6BB's included curriculum covers objectives like four types of solder, tools used for soldering, soldering safety rules, soldering bond inspection, and how to solder DB connectors to a cable wire. In addition to the included printed curriculum, Amatrol also offers all of these topics and skills in an interactive multimedia format. This multimedia features stunning 3D graphics and video, audio voiceovers of all of the text, and interactive quizzes and activities.



## Expand Learning Options Through VFD/PLC and HMI Wiring Skills

The 85-MT6BB is just one expansion that can be added to the 850-MT6B to develop additional industrial wiring skills. Others include the required VFD/PLC Learning System (85-MT6BA) and the HMI Wiring Learning System (85-MT6BC). The 85-MT6BA will cover how to wire a VFD and PLC to a control panel using industrial components like a Siemens PLC, terminal blocks, and an Allen-Bradley VFD. The 85-MT6BC teaches wiring an HMI, analog wiring, and EtherNet cabling into a control panel mounted PLC.



## Student Reference Guide

A sample copy of the Industrial Soldering Student Reference Guide is also included with the system for your evaluation. 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.

