MechaSIM Mechatronics Simulation Learning System
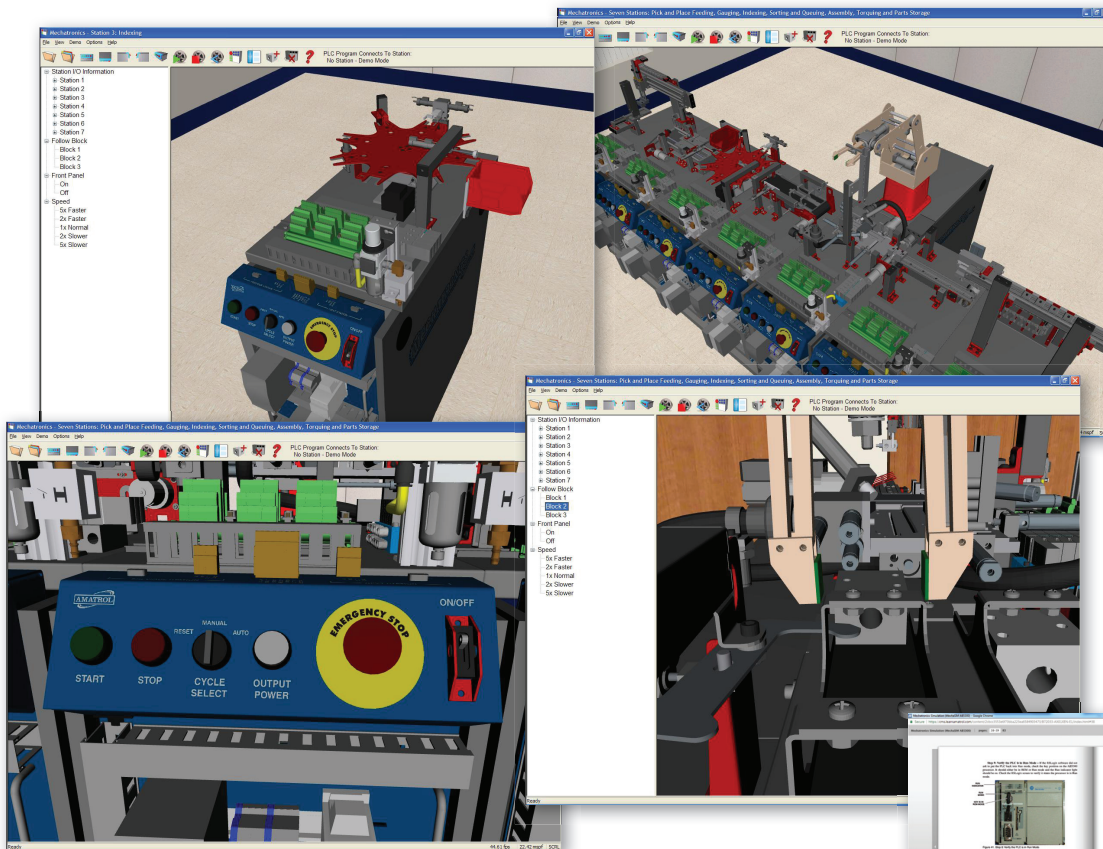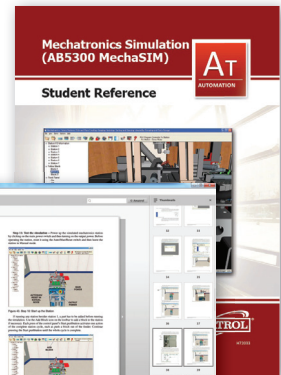# for Allen-Bradley and Siemens PLCs

87-MSSAB12, 87-MSSAB53, 87-MSSAB53A, 87-MSSS7

AT
AUTOMATION

MechaSIM Mechatronics Simulation

Student Reference Guide and Optional eBook Curriculum

Learning Topics:

- Mechatronics Simulation
- Graphical Simulation
- Navigating Simulation Software
- Simulate Mechatronics Station Operation
- Mechatronics PLC Program Simulation
- Simulate Multiple Stations

Amatrol's MechaSIM Mechatronics Simulation Learning Systems (87-MSS) allow learners to study programs for Allen-Bradley and Siemens PLCs and then use those programs to run real-world applications in a simulated mechatronics environment. Learners can then use the programs to control actual mechatronics equipment after testing it in the simulation. Amatrol offers MechaSIM systems for the following controllers: AB CompactLogix L32 and L16, AB MicroLogix, and Siemens S7-300. These MechSIM systems can interface to any of Amatrol's Mechatronics carts.

Amatrol's MechaSIM software allows learners to practice skills like navigating the MechaSIM simulation software, using demo mode to simulate mechatronics station operation, simulating programs for mechatronics systems using MechaSIM, and simulating multiple stations using a pre-written program. This simulation software offers the ability to train learners on advanced, industry-applicable mechatronics skills when classroom space is limited or when training must be provided at multiple locations.

AMATROL®

Learn to Program Mechatronics in Simulations with In-Depth MechaSIM Curriculum

Amatrol's MechSIM curriculum focusses on topics like the function of graphical simulation software, how to use demo mode to simulate mechatronics station operation, how to use MechaSIM to simulate a mechatronics PLC program, and how to simulate multiple stations using a pre-written mechatronics program. This curriculum is provided as a printed book but is also available in an online eBook format. Enhanced with features, such as keyword searches and zoom controls, Amatrol's eBooks enable a user to quickly locate and view information, making this online format an efficient learning tool.
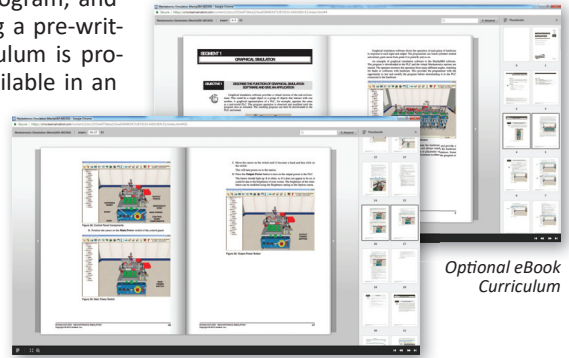
Optional eBook Curriculum

Expand Training Opportunity with Real-World PLCs and Mechatronics Carts

Because MechSIM programs are transferable to real-world PLCs and Mechatronics carts, the opportunity for advanced mechatronics training is expansive. Using the curriculum provided with Allen-Bradley and Siemens PLCs, you can continue to utilize MechaSIM software to study topics like automation operations, basic component adjustments, pick and place feeding, gauging, indexing, sorting, queuing, servo robotic assembly, torqueing, parts storage, electro-hydraulic testing, and multiple station control. MechSIM software can also integrate individually with all nine of Amatrol's mechatronics carts or with the entire mechatronics line.
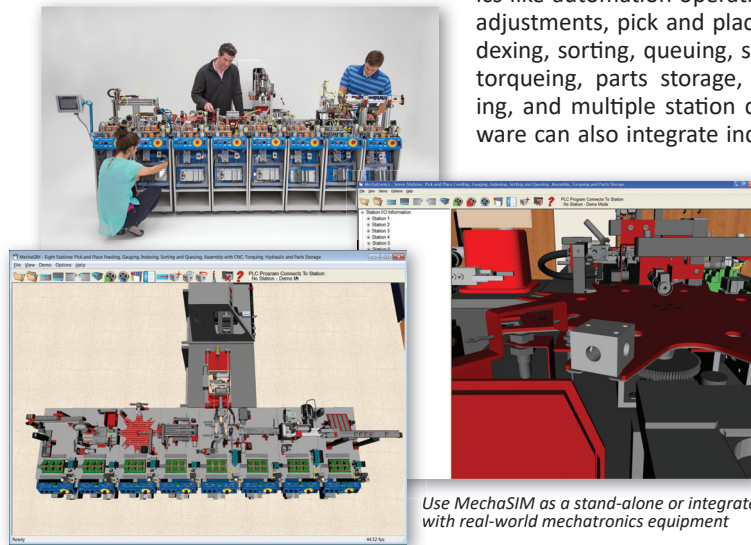
Use MechaSIM as a stand-alone or integrate with real-world mechatronics equipment

Student Reference Guide

A sample copy of the MechaSIM Mechatronics Simulation Student Reference Guide is also included with the system for your evaluation. Sourced from the system's multimedia curriculum, the Student Reference Guide takes the entire series' technical content contained in the learning objectives and combines them into one perfect-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.

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