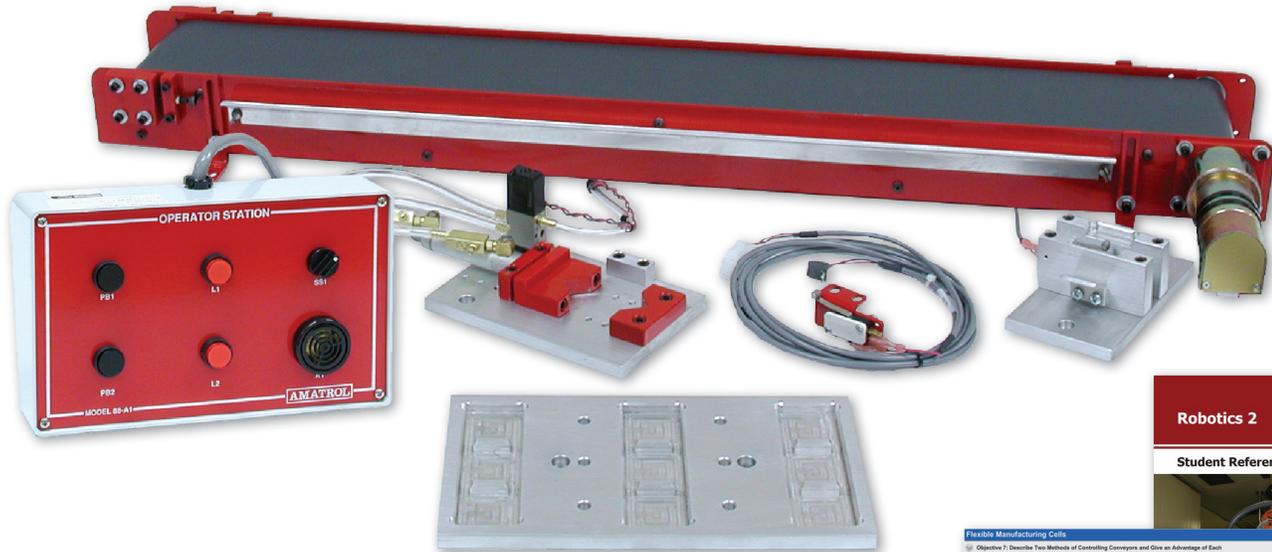
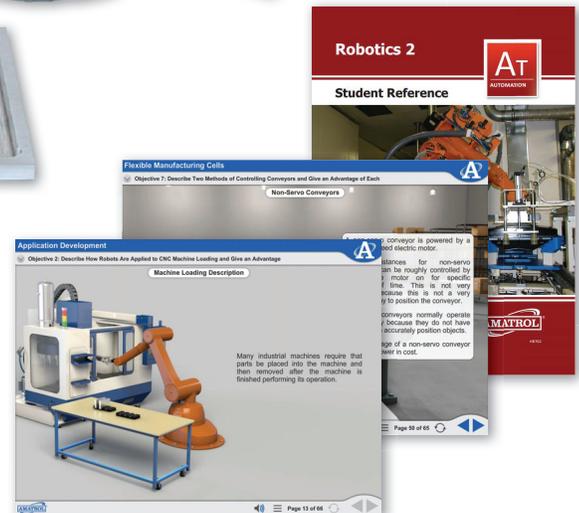


# Robotics 2 Learning System

96-ROB2A



96-ROB2A



Interactive Multimedia Curriculum and Student Reference Guide

## Learning Topics:

- Robot Application Development
- Basic Conveyor Operation
- Flexible Manufacturing Cells
- Subroutine Commands
- Quality Control
- Cartesian Coordinate Programming
- Go/No-Go Inspection
- Parts Measurement
- Production Control
- Loop Commands

Amatrol's Robotics 2 Learning System (96-ROB2A) is a great addition to the Robotics 1 Learning System (96-ROB1A) for those who want to take their robotics training to the next level. Learners will encounter advanced robotics topics and concepts, such as application development, flexible manufacturing cells, and quality and production control. The system includes a variety of industrial-quality components, including a linear servo conveyor.

Users begin by learning how to connect and control a servo conveyor in conjunction with a Pegasus II robot. Learners then develop programs to make a robot perform a variety of tasks, including: loading and unloading multiple automated machines; learning commands that can be used in quality control applications; and using variables with mathematic functions, input instructions, and relational operators. Together, the Robotics 1 and 2 Learning Systems provide valuable project-based learning experiences vital to training future workers who will program, operate, troubleshoot, maintain, and repair the next generation of automated systems.



## Technical Data

Complete technical specifications available upon request.

Operator Station  
Inspection Station  
Assembly Station  
Palletizing Station  
Parts Feeder Sensor  
Linear Servo Conveyor  
Multimedia Curriculum (MB762)  
Instructor's Guide (CB762)  
Installation Guide (DB761)  
Student Reference Guide (HB762)

### Additional Requirements:

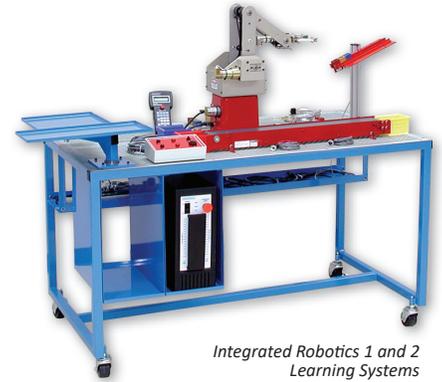
Robotics 1 Learning System (96-ROB1A)  
Computer (Visit [www.amatrol.com/support/computer-requirements](http://www.amatrol.com/support/computer-requirements) for details.)

### Utilities Required:

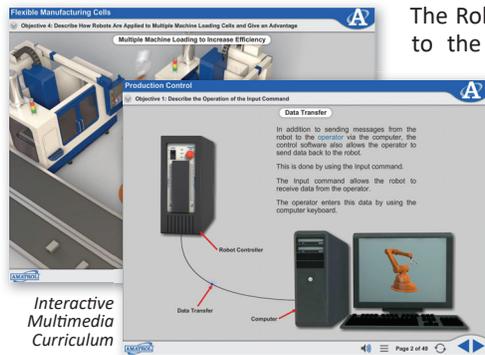
Electric (100-240 VAC/50-60 Hz/1 phase)  
Compressed Air Supply (5 CFM @ 100 PSIG/  
0.142 cmm @ 690 kPa)

## Study Robot Programming and Practice with Real-World Equipment

The Robotics 2 Learning System (96-ROB2A) features an operator station, inspection station, assembly station, palletizing station, parts feeder sensor, and a linear servo conveyor. When integrated with the Robotics 1 Learning System (96-ROB1A), these industrial-quality components allow learners to practice a variety of robotics skills, such as: programming teach points on a double-jointed robot arm using the full range of its work envelope; entering a robot program that uses a variable name; and designing a robot program that stops a production process if a quality standard is not met.



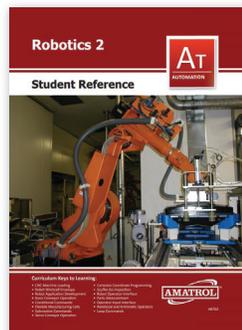
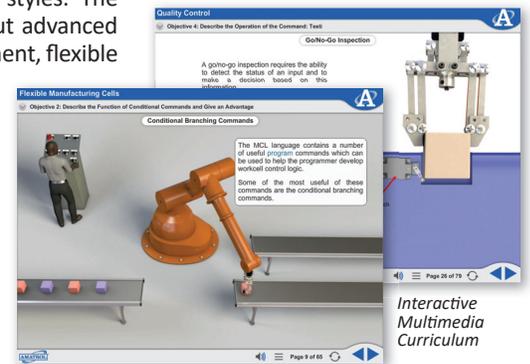
## Learn How To Control a Servo Conveyor with a Robot



The Robotics 2 Learning System takes robotics training to the next level. Using an industrial-quality servo conveyor, users will learn how to design a robot program that can vary the speed of the conveyor. Learners will also study a variety of other advanced robotics topics, including how to develop a robot program, how to measure parts with a robot, and the function and operation of loop commands.

## Engaging, Highly-Interactive Multimedia

Amatrol's curriculum features a highly-interactive, multimedia format that includes stunning 3D graphics and videos, voiceovers of all text, and interactive quizzes and exercises designed to appeal to learners with different learning styles. The 96-ROB2A curriculum teaches learners about advanced robotics topics, such as application development, flexible manufacturing cells, and quality and production control. The combination of theoretical knowledge and hands-on skills solidifies understanding and creates a strong basis for pursuing advanced skills.



## Student Reference Guide

A sample copy of the Robotics 2 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.

