

# Tabletop Smart Factory Barcode Learning System | Tabletop Mechatronics



## Learning System: 87-TBR1AB

Amatrol's Tabletop Smart Factory Barcode Learning System (87-TBR1AB) teaches the operation and programming of barcode identification systems and communications with other connected automated devices in a Smart Factory environment to identify and sort parts in automated manufacturing processes.

The Tabletop Smart Factory barcode training systems feature real-world equipment learners will encounter on the job, including barcode reader and Ethernet communications modules. The system combines hands-on skills practice with in-depth multimedia curriculum for a well-rounded learning experience that will prepare learners to make an immediate impact in the technologically-advanced Smart Factory environments of the present and future.

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## **Tabletop Barcode Learning System**

**Study Smart Factory Components and Practice on Real-World Equipment**

Amatrol's tabletop barcode training systems teach learners essential skills using industrial-quality equipment they'll use in the workplace. For example, learners will gain valuable hands-on experience with both a barcode reader and an Ethernet communications module. Using this real-world equipment, learners will practice specific skills, such as operating a barcode reader, configuring an Ethernet-to-serial interface module, and designing a Micro820 PLC project that uses barcode parts identification to sort parts.

### **Learn Industry-Applicable Barcode Identification Skills**

Amatrol's comprehensive curriculum covers a wide variety of important barcode identification system skills. For example, learners will study PLC serial communications, function block instructions, and PLC comparison instructions. Additional skills and topics include testing an Ethernet-to-serial interface module and designing a PLC project that uses a barcode identification system to sort parts.

### **Highly-Interactive Multimedia Format Appeals to All Learning Styles**

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 combination of theoretical knowledge and hands-on skills solidifies understanding and creates a strong basis for pursuing more advanced skills.

## **Additional Info**

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### **Requirements:**

- RF Identification Learning System ([87-TMS5AB1](#))
- Portable PLC Troubleshooting Learning System ([990-PABCL1F](#))
- Ethernet Learning System ([87-TENAB82](#))

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