

# SEMICONDUCTOR MANUFACTURING

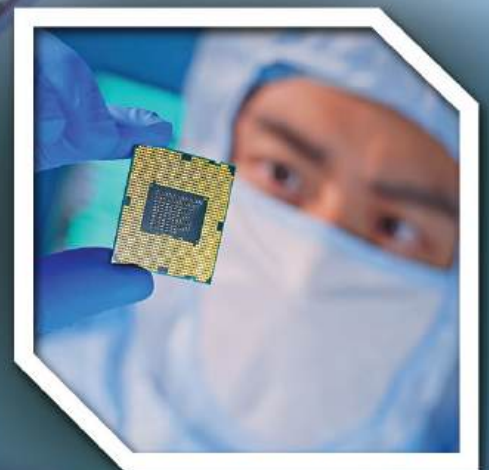


**HANDS-ON TRAINING EQUIPMENT + COMPREHENSIVE eLEARNING CURRICULUM = REAL SOLUTIONS  
FOR INDUSTRY & UNIVERSITIES TRAINING THE NEXT GENERATION OF WORKERS**

## SEMICONDUCTOR BOOM

The CHIPS Act has spurred unprecedented investment in the semiconductor manufacturing industry:

- 80+ new projects across the U.S.
- \$447 billion in private investments across 25 states
- 56,000+ new high-quality jobs



# PROVEN TRAINING BUILDS ESSENTIAL HANDS-ON SKILLS



Semiconductor manufacturing requires a highly skilled workforce. Trust Amatrol to help you design a custom training program to teach the next generation of workers the hands-on skills they need to excel!

## Electrical & Electronics

### Industry Credentials



Amatrol training aligns with industry-recognized credentials from the Smart Automation Certification Alliance, which developed the industry's first credentials for semiconductors in partnership with the Florida Semiconductor Institute. Equip your students and workers with industry-standard credentials that certify they have essential hands-on skills!

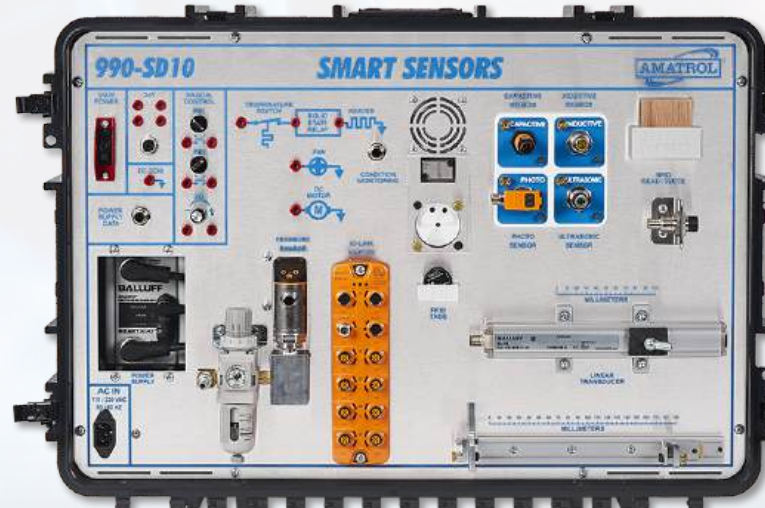
### Smart Automation



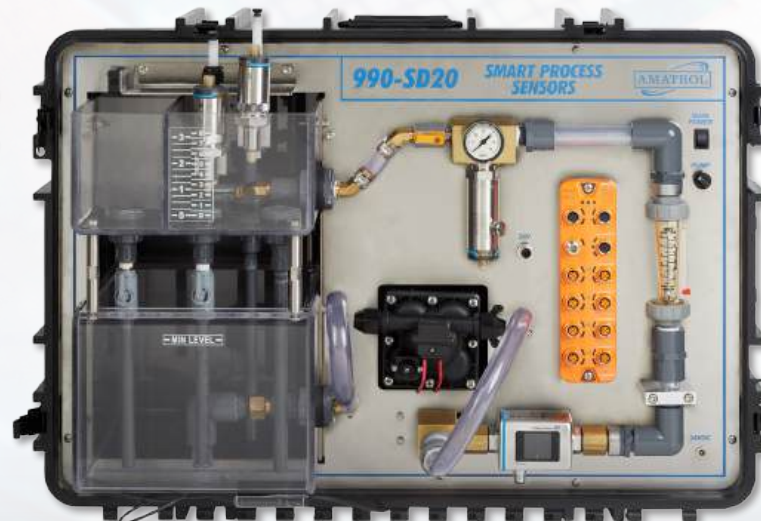
Smart Manufacturing



Tabletop Smart Factory



Smart Machine Sensors



Smart Process Sensors



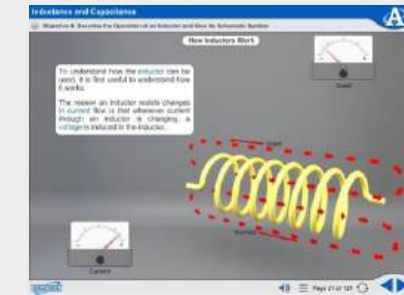
AC Motor Drives



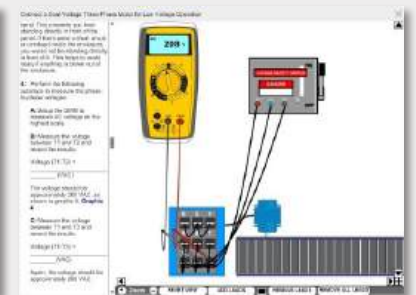
PLC Troubleshooting

## eLEARNING

Amatrol's in-depth eLearning curriculum features an interactive multimedia format that includes stunning 3D graphics and videos, voiceovers of all text, and quizzes and exercises designed to appeal to all learning styles.



Multimedia



Virtual Trainer

## Pneumatics



Basic Pneumatics



Pneumatics Troubleshooting

# ADVANCED MANUFACTURING FUNDAMENTALS

## Safety

- Safety Practices & Regulations
- Personal Protective Equipment
- Hazardous Communication
- Confined Spaces
- Lockout/Tagout
- Accident Response



Measurement Tools



Precision Gauging



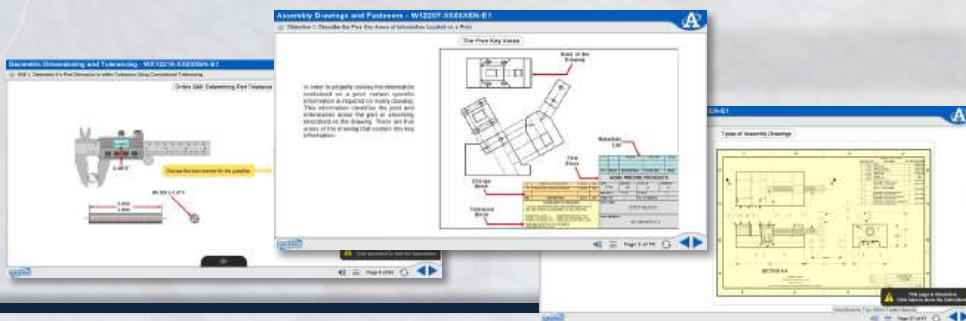
## Quality

- Inspection Techniques
- Surface Plates
- Gauge Blocks & Test Indicators
- Height Gauges
- Bench & Optical Comparators
- Bore & Air Gauges



## Lean Manufacturing

- Lean Theory
- 5S
- Total Productive Maintenance
- Poka-Yoke
- Lean Process Flow
- Visual Workplace
- Standardized Work
- Kaizen
- Value Stream Mapping
- Set-Up Reduction



## Blueprint Reading

- Multiview Drawings
- Sectional & Assembly Drawings
- General Dimensioning & Tolerancing

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