

SEMICONDUCTOR MANUFACTURING



IGNITE

Mastering Manufacturing

powered by

AMATROL®

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

SEIZE THE DAY

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



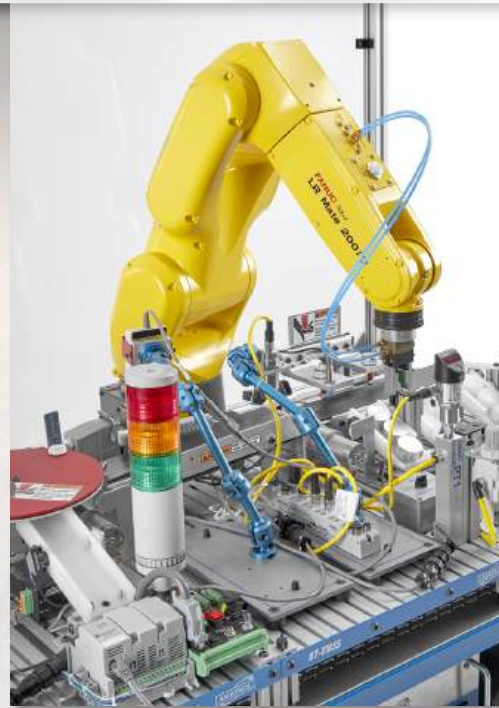
Semiconductor manufacturing requires a highly skilled workforce. Trust Amatrol to help you design a custom training program to teach the next generation of workers the hands-on skills they need to excel!



IGNITE

Mastering Manufacturing

IGNITE is a comprehensive 1-, 2-, or 3-year skill development program for high schools & colleges, designed to stimulate student interest in today's Advanced Manufacturing/ Industry 4.0 careers.



Tabletop Smart Factory

Electrical & Electronics



AC Motor Drives

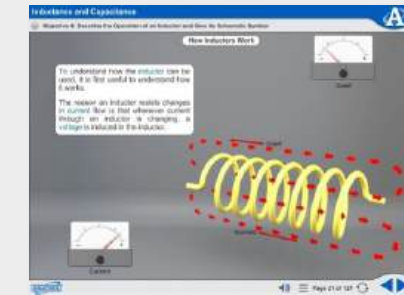


PLC Troubleshooting

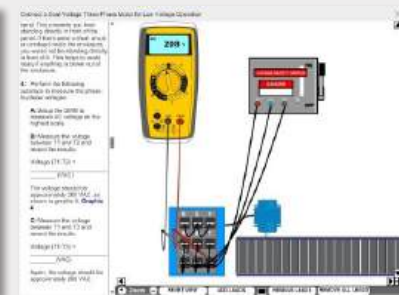


eLEARNING

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

Smart Automation

IGNITE courses teach skills aligned 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.



Smart Manufacturing

Smart Machine Sensors

Smart Process Sensors

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



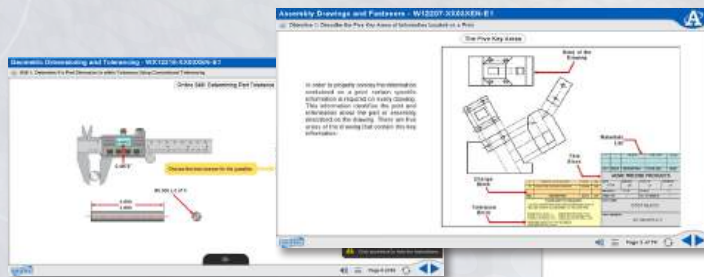
Quality

- 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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