

# THE REAL WORLD SCHOOL WHERE THE FUTURE OF RFID IS TAKING SHAPE.



Finding new ways to help customers—that's the idea behind Diagraph University.

Whatever your current level of RFID knowledge, we're ready to conduct a special 1-2 day workshop, just for your company, at our St. Louis Training Center and Application Lab.

## RFID WORKSHOP OUTLINE

- Benefits of RFID
- Theory of Operation
- RFID Label Options
- Specifications & Compliance Standards
- Hardware & Software Availability
- Component Technical Capabilities
- Implementation Solutions
- Equipment for Your Application
- Lab Testing for Your Application

## WORKSHOP CURRICULUM

### Module 1 – Introduction & Overview

History of Radio Frequency Identification

Theory of Operation & Component Overview

RFID Advantages vs. Linear Bar Codes

### Module 2 – RFID Components, Technical Overview

RFID Tags

- Description & Terminology
- Antennas
- Active & Passive
- Memory
- Range
- Backscatter

RFID Encoders/Readers

- Description & Terminology
- Types — Circular & Linear
- Programming & Filtering

Application Considerations

- Material Types
- Tag Location
- Presentation
- Reader Range



### Module 3 – RFID Compliance Standards

MIT Auto ID Center & ePC Global Standards

- Class Types
- Case & Pallet Levels

Supply Chain Compliance Drivers

- DoD, Wal-Mart, Target, Albertson's
- Current Implementation Status

## Module 4 – System Solutions

### Application Software

- PC-Based

### Stand-Alone (slap-n-ship)

- ELP Printers w/ Encoders

### On-Line

- Printer Applicators w/ Encoders
- Applicators w/ Encoders
- Dual Technology Printers w/ Encoders

## Module 5 – Application Exercises

### Exercise for Case Level Application

### Exercise for Pallet Level Application

- Team Presents Solutions
- Identify Potential Issues

## Module 6 – RFID Application Laboratory

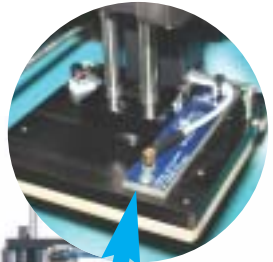
### Replicate actual Participant Applications

### Demonstrate Various Solutions

## Module 7 – Wrap-Up & Open Discussion

**Diagraph's PA/5000LT can print, program, apply and verify 50 ppm with 4"x 6" smart labels.**

**Diagraph's Patent-Pending RFID Tampenna™**



# RFID WORKSHOP CONSIDERATIONS

There is no pre-determined class schedule at Diagraph University. Instead, workshops are scheduled to accommodate each company that wants to participate.

Our preference is for each workshop to be focused on just one company. This way, we can personalize the course content to make sure it is always 100% relevant to every student.

The workshops are intended to take 1-2 days, but they will vary slightly in length, depending on the entry level knowledge the participants bring to the seminar. If the students start out with a beginner level understanding of RFID, the classroom portion of the workshop may take an entire day.

To help offset direct costs such as meals and lodging, Diagraph charges a reasonable tuition for each RFID workshop participant.

For more information about Diagraph University, or to inquire about scheduling a workshop for your company, please use the contact method that is most convenient for you.

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