IPC EDGE | ELECTRONICS WORKFORCE TRAINING

Wire Harness Assembly for Operators

The Wire Harness Assembly for Operators course introduces the key tools, materials, and processes for operators working in wire harness assembly. This course is designed to encompass the entire wire harness assembly process, including a customizable selection of modules to address the current needs and future goals of operators and organizations. The Wire Harness Assembly for Operators course is a prerequisite for the **IPC/WHMA-A-620 for Operators** course. The IPC/WHMA-A-620 for Operators course builds on the concepts covered in Wire Harness Assembly for Operators to help operators, technicians, and other assembly line staff effectively navigate, locate, and apply the criteria specified in the IPC/WHMA-A-620 standard.

Access: IPC EDGE Learning Management System
Type of Course: Available in both instructor-led and self-paced formats
Approximate Length: 12-16 hours for Mandatory Modules; Additional 12-16 Hours for Optional Modules
Prerequisites: None
Credentials: Qualified IPC Wire Harness Assembly Operator

COURSE OBJECTIVE AND OVERVIEW

After completing this course, you will be able to identify and employ the tools, materials, and procedures required to build wire harness assemblies within an electronics manufacturing facility.

Mandatory Modules

1: Introduction
2: Safety
3: Engineering Documentation
4: Materials and Components
5: Tools and Equipment
6: Wire Preparation and Processing
7: Inspection and Testing

Final Exam: Modules 1-7

Optional Modules

8: Crimp Terminations
9: Soldered Terminations
10: Splicing
11: Connectors
12: Coaxial Cable
13: Labeling, Securing and Coverings
14: Finished Assembly

For complete course descriptions and registration information, contact sales@ipc.org

POWER YOUR POTENTIAL
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IPC BUILD ELECTRONICS BETTER

WHMA Wiring Harness Manufacturer's Association

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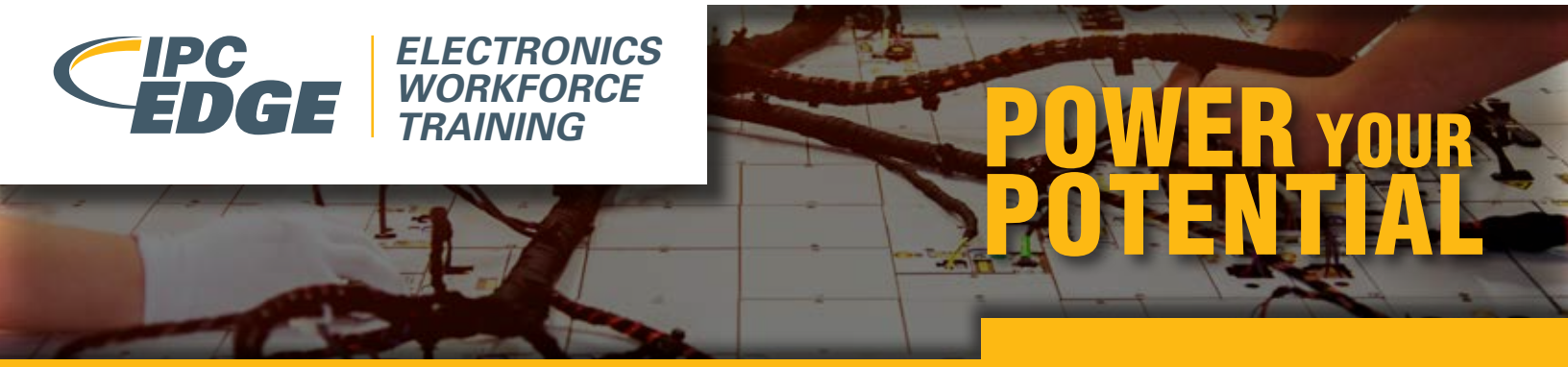

POWER YOUR POTENTIAL

IPC ELECTRONICS WORKFORCE TRAINING courses include video presentations, clear explanations, detailed illustrations, interactive activities and practice quizzes, all formulated to make complex topics easy-to-understand and master. The topics are carefully selected to align with the skills and competencies vital to advancing an electronics career at any level.

COURSE STRUCTURE

Researched-based learning strategies and 24/7 online access allow usersto learn more in less time.

Each learning module contains:

1. Course Introduction

- A brief video describes the content, navigation, and learning strategies employed in this course.

2. Pre-quiz

- These short ungraded quizzes help learners identify gaps in knowledge and primes them to focus on the key topics discussed in each module.

3. Instructional Content

- Bite-sized segments of content allow learners to fully process one step or concept before moving on to the next.
- A carefully curated combination of text, graphics, and videos motivates learners to actively engage with the content and retain information over time.
- Interactive practice activities provide learners with meaningful opportunities to apply new knowledge and kills.

4. Post-quiz

- Five to ten-question quiz designed to help you confirm what you know, identify areas that still need work and quickly link back to the original content for review.

KEY FEATURES

- Modules are divided into easily digestable micro-learning lessons
- Structured for self-directed and group learning
- Pre- and Post-Module Assessments
- In module knowledge checks & assessments
- Engaging content, including photos, illustrations, animations and videos
- IInteractive practice activities
- Detailed instructor guide
- Comprehensive Glossary
- Materials list and instructions for optional hand-on practice activities

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