
Electrical and Controls Module Level 2

AC, DC, and LIM Motor Troubleshooting

General Information

Course Number: M-101
Format: Instructor led
Length: 4 hours
Maximum Students: 8

Audience

This course is for maintenance technicians, supervisors, and people who support the conveyor system.

Customer Requirements

A room with a projector and a marking board with markers

Prerequisites

- A general knowledge of mechanical and electrical systems
- A general knowledge of safety and lockout/tagout procedures
- A working knowledge of tools and test equipment

Benefits

This course is designed to increase knowledge and skills to safely perform motor troubleshooting.

Course Objectives

Upon completion of this course, the student should be able to:

- Describe troubleshooting steps for DC motors
- Describe troubleshooting steps for single-phase motors
- Describe troubleshooting steps for three-phase motors

Topics

- 1. General**
1/2 Hour
 - a. Safety
- 2. DC Motors**
1 Hour
 - a. Troubleshooting
- 3. Single-Phase Motors**
1 Hour
 - a. Troubleshooting
- 4. Three-Phase Motors**
1 Hour
 - a. Troubleshooting
- 5. LIM Motors**
1/2 Hour
 - a. Troubleshooting