

Mechanical Module Level 1

Preventive Maintenance

General Information

Course Number: M-112
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 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 necessary basic preventive maintenance on systems.

Course Objectives

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

- Describe the basic components and inspections of a Preventive Maintenance Program
- Describe how to establish a baseline and identify trends
- Perform basic inspections of the system to identify issues that affect uptime

Topics

1. General

1/2 Hour

- a. Safety

2. PM Program

1/2 Hour

- a. Components
- b. Program development

3. Inspections

1 Hour

- a. Look, listen, smell, feel

4. Documentation

1/2 Hour

- a. Baselines
- b. Trending

5. System Maintenance

1 1/2 Hours

- a. Hardware and flow
- b. Drives
- c. Conveyor belts
- d. Frequencies