

Maintenance Training

Tilt Tray Sorter

General Information

Course Number: 2-173
Length: 3 days
Maximum Students: 10

Audience

This course is for maintenance technicians and supervisors who support the tilt tray sorter system.

Customer Requirements

A room with a TV/VCR, an “In-Focus” or equivalent style projector and a marking board with markers.

Prerequisites

- A general knowledge of electrical and mechanical systems and drawing sets.
- A general knowledge of safety and Lockout/Tag out procedures.
- A working knowledge of electrical/mechanical test and repair equipment.

Benefits

This course is designed to increase knowledge and skills to safely perform necessary preventive maintenance and repair procedures. Knowledge gained on common system anomalies can be used to increase system uptime.

Course Objectives

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

- Identify information and components inside electrical and mechanical drawing sets of the Tilt Tray Sorter.
- Understand operational issues that affect equipment uptime.
- Use the Video Display Terminal and Debug software.
- Safely perform electrical and mechanical troubleshooting, preventive maintenance, and repair procedures.

Topics

1. General

- a. Safety
- b. Drawing and Wire Standards
- c. Systems and Controls Overview
- d. Induction Units

2. Sorter Operations, Controls, and Software

- a. Applications Capabilities
- b. Start Up and Mode Selection
- c. Run Mode and Maintenance Mode
- d. Video Display Terminal Operation
- e. Diagnostics
- f. Error Codes

3. Sorter and Induction Service Manuals

- a. Installation
- b. Preventive Maintenance
- c. Troubleshooting and Repairs

4. Chute Operation

- a. Devices
- b. Layout and Numbering
- c. Operation