

Operation and Maintenance Training

SC3 Crossbelt Sorter Operation and Maintenance

General Information

Course Number: 2-150
Format: Instructor Led
Length: 3 days
Maximum Students: 8

Audience

This course is for technicians who operate and maintain the SC3 sorter.

Customer Equipment Requirements

- Dedicated training room with a projector and a white board with markers.
- Access to on-site Dematic equipment.

Prerequisites

- A general knowledge of mechanical and electrical systems and drawing sets.
- A general knowledge of safety and lockout/tagout procedures.
- A basic knowledge of mechanical and electrical test and repair equipment.

Benefits

Participants in this course will learn to safely perform mechanical, electrical, and controls maintenance 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:

- Use the VDU to diagnose common sorter performance issues.
- Identify operational issues affecting system uptime.
- Identify information and components in the sorter mechanical and electrical drawings.
- Explain the function of the sorter mechanical, electrical, and controls components.

- Safely perform mechanical, electrical, and controls maintenance procedures on the sorter.

Topics

1. General

- a. Safety
- b. System Overview
- c. Drawing Sets Reading and Numbering
- d. System Documentation Access and Contents
- e. Identification of Replacement Parts

2. Operation

- a. Start Up and Shut Down
- b. Video Display Unit Overview
- c. Modes
- d. Diagnostics
- e. Error Codes and Recovery

3. Component Maintenance

- a. Induction Stations
- b. Chutes
- c. Carriers
- d. Track
- e. Drives
- f. Linear Synchronous Motors
- g. Linear Induction Motors
- h. Belts
- i. Scanners and Sensors
- j. Communication and Power Components