

## Operation and Maintenance Training

# Model 2430 SL2 Sorter Operation and Maintenance

### General Information

Course Number: 2-147  
Format: Instructor Led  
Length: 3 days  
Maximum Students: 8

### Audience

This course is for technicians who operate and maintain the SL2 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 FlexSort HMI 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. Human Machine Interface Overview
- c. Modes
- d. Jogging
- e. Diagnostics
- f. Error Codes and Recovery

#### 3. Component Maintenance

- a. Slats and Shoes
- b. Linear Induction Motors
- c. Variable Frequency Drives
- d. Switches and Rails
- e. Divert Controllers
- f. Scanners and Sensors
- g. Charge Bed
- h. Discharge Bed
- i. Transition Beds