

## Electrical and Controls Module Level 1

# FlexSort Familiarization and Operation

### General Information

Course Number: M-114  
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 an In-focus style projector and a marking board with markers.

### Prerequisites

- A general knowledge of mechanical systems.
- A general knowledge of safety and Lockout/Tag out procedures.
- A working knowledge of tools and test equipment.

### Benefits

This course is designed to increase knowledge and skills to safely use the FlexSort HMI for sorter operations.

### Course Objectives

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

- Identify the basic components of the FlexSort cabinet.
- Describe the basic function of the FlexSort controller.
- Identify the System Status Page and describe its basic use.

### Topics

- 1. General**  
*1/2 Hour*
  - a. Safety
- 2. Components**  
*1 3/4 Hour*
  - a. Inputs and Outputs
  - b. Hardware
- 3. Communications and HMI**  
*1 3/4 Hour*
  - c. Ethernet, Serial, and ProfiBus
  - d. HMI Tree and Status