

# SHIBAURA MACHINE COMPANY, AMERICA

755 Greenleaf Avenue  
Elk Grove Village, IL 60007

**Hosted by: SHIBAURA MACHINE COMPANY, AMERICA**

## **EC MAINTENANCE CLASS at THE POLYMERS CENTER OF EXCELLENCE**

Training will be held at Shibaura Machine Technical classroom in Charlotte, NC. Each student will be responsible for travel expenses, lodging and meals. We will provide a continental breakfast in the AM and sandwiches will be brought in for lunch.

CLASS LOCATION:  
THE POLYMERS CENTER OF EXCELLENCE  
8900 Research Drive  
Charlotte, NC 28262

### COURSE DESCRIPTION

The attendee must have a basic understanding of the SHIBAURA EC All Electric machines. Details of machine parameters, requirements for proper machine upkeep, and review of control functions will be presented. A Shibaura all electric machine will be used in process demonstration in conjunction with classroom training.

### COURSE OUTLINE

- Component Overview
- Control Cabinet Overview
- Injection Unit Overview
- Clamp Unit Overview
- System Outline
- V70 Controller Special Features
- Ladder Logic Overview
- Electrical Schematics
- Lubrication System
- Servo Zeroing Procedure
- Servo Belt Tensioning Procedure
- V70 Controller Maintenance Screens
- Shibaura Maintenance P.M. Schedule (manual & screen)
- Shibaura Service Manual Overview (comes with IMM)

### COURSE OBJECTIVES

- Understanding EC\*\*\*SXIIIV70 Machine Components
- Learn EC\*\*\*SXIIIV70 Controller Special Functions
- Learn Basic Ladder Logic
- Learn How To Read Shibaura EC\*\*\*SXIII Electrical Schematics
- Understanding The Lubrication System
- Learn Basic Servo Maintenance
- Better Understanding of The Service Manual

## **COURSE SCHEDULE AND HOURS**

The training class will begin promptly at 9:00AM Arrival at 8:30AM is expected.

### **1<sup>st</sup> day**

7 hours 9:00AM-4PM

- Introduction
- Component Overview
- Control Cabinet Overview
- Injection & Clamp Unit Overview
- System Outline
- V70 Controller Special Functions
- Ladder Logic Overview

### **2<sup>nd</sup> day**

7 hours 9:00AM-4PM

- Electrical Schematics
- Lubrication System
- Servo Maintenance
- V70 Maintenance Screens
- Shibaura Maintenance P.M.s and Service Manual

**HANDOUTS:** You will be given a hardcopy of the presentation for note taking and review after the sessions.

**CERTIFICATE of COMPLETION:** Upon completion of the two-day class you will be given a Certificate of Completion for your SXIII controller training.

**TRAINING COURSE FEEDBACK:** A handout will be provided at the end of the class for feedback on the class, and suggestions for improvements.

**COST: \$495 per STUDENT**

**Space is not confirmed in the class until PO or payment is received.**