

# SHIBAURA MACHINE COMPANY, AMERICA

755 Greenleaf Avenue  
Elk Grove Village, IL 60007

Hosted by: SHIBAURA MACHINE COMPANY, AMERICA  
AND THE POLYMERS CENTER OF EXCELLENCE

## EC MAINTENANCE CLASS

Training will be held at The Polymers Center of Excellence Tech Center 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(s) 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-SXIIIIV70 Machine Components
- Learn EC-SXIIIIV70 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 by 8:45AM is expected.**

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

**9:00AM – 4:00PM**

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

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

**9:00AM – 12:00PM**

- Electrical Schematics
- Lubrication System
- Servo Maintenance
- V70 Maintenance Screens
- Shibaura Maintenance PM'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 EC-SXIII Maintenance 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\*\*\***

**For questions, please contact [im-training@shibaura-machine.com](mailto:im-training@shibaura-machine.com)**