

# SHIBAURA MACHINE COMPANY, AMERICA

755 Greenleaf Avenue  
Elk Grove Village, IL 60007

Hosted by: SHIBAURA MACHINE COMPANY, AMERICA-CANADA

## EC MAINTENANCE CLASS

Training will be held at Shibaura Machine Technical Center in Markham, Ontario Canada.

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:**

SHIBAURA MACHINE TECHNICAL CENTER  
6 Shields Court  
Markham, Ontario Canada

### **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-SXIII V70 Machine Components
- Learn EC-SXIII V70 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 USD 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)**