

# **SHIBAURA MACHINE COMPANY, AMERICA**

755 Greenleaf Avenue  
Elk Grove Village, IL 60007

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

## **EC MAINTENANCE CLASS at SHIBAURA MACHINE TECHNICAL CENTER**

Training will be held at Shibaura Machine Technical classroom in Ontario, California. 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**  
**1440 SOUTH BALBOA AVENUE**  
**ONTARIO, CA 91761**

### **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: \$395 per STUDENT**

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