

# Mazak Smooth Maintenance Training

## SERVICE AND MAINTENANCE

### Course Description

Mazak Smooth Maintenance Training	
Course Code	MEMTBMZ-8101
Course Credits	3.0 Credits
Length	3 Days
Prerequisite	None

### INTRODUCTION

This course is tailored to explain the Mazatrol Smooth Control and CNC concepts through lecture and hands-on practice. Upon completion of this course, maintenance employees will have a fundamental understanding of the Smooth Control and should be able to troubleshoot and maintain a complete Smooth Control system.

### WHO SHOULD ATTEND?

Students who service, maintain, diagnose and troubleshoot the Smooth Control System.

### COURSE HARDWARE

FCU8-MA041-Y01, FCU8-MA041-Y02, FCU8-MA041-Y0x, FCU8-PC231, FCU8-CF011-Y0x, FCU8-YZ191, FCU8-DX749, FCU8-DX651, MDS-EH-V1/V2-xx, MDS-EH-SP-xx

### PREREQUISITES EXPLAINED

No prerequisites required. This class is recommended for beginners with little or no experience with Mitsubishi Electric controls.

### COURSE OUTLINE

<b>LESSON 1</b>	General System Overview
<b>LESSON 2</b>	Smooth Hardware & Connections
<b>LESSON 3</b>	Smooth X vs Smooth C vs Smooth G
<b>LESSON 4</b>	Mazatrol Screen Navigation
<b>LESSON 5</b>	Backup Procedures
<b>LESSON 6</b>	Reinitialization Procedures
<b>LESSON 7</b>	Drive System Overview
<b>LESSON 8</b>	Parameter Settings
<b>LESSON 9</b>	NC & Hands-on Troubleshooting
<b>LESSON 10</b>	User PLC Diagnostics
<b>LESSON 11</b>	Mazak Machine-side Functions & Troubleshooting

### MITSUBISHI ELECTRIC AUTOMATION, INC.

500 Corporate Woods Parkway, Vernon Hills, IL 60061  
Ph: 847.478.2100 • Email: Training@meau.com

[us.MitsubishiElectric.com/fa/en](http://us.MitsubishiElectric.com/fa/en)

August 2024 • ©2024, Mitsubishi Electric Automation, Inc.  
Specifications subject to change without notice. • All rights reserved

T-VH-00056



MITSUBISHI ELECTRIC TRAINING SOLUTIONS