



for a greener tomorrow



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
Price	\$2,000
Prerequisite	None

INTRODUCTION

This course has been designed 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 control system.

WHO SHOULD ATTEND?

Students who desire to learn how to service, maintain, diagnose and troubleshoot the Smooth control should attend this class.

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

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COURSE OUTLINE

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

CERTIFICATION LEVELS

After completing this class, take just two more classes – MEPLC0-0101 & MEPRG0-0101 – to become a Mitsubishi Electric Level 1 Certified Specialist. Learn more about Level 2 Master Certification and Level 3 Expert Certification [here](#).

