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Matrix / Smooth Training for Mazak Personnel

Service and Maintenance

Course Description

Matrix/Smooth Training for Mazak Personnel	
Course Code	MEMTBMZ-8701
Course Credits	3.0 credits
Length	3 Days
Price	N/A
Prerequisite	None

INTRODUCTION

This course has been designed to explain the Mazatrol Matrix & Smooth controls to Mazak Personnel (only). Through lecture and hands-on practice, and upon completion of this course, Mazak service employees will have a fundamental understanding of the Matrix and Smooth controls, and they should be able to troubleshoot and maintain a complete control system.

WHO SHOULD ATTEND?

Mazak employees who desire to learn how to service, maintain, diagnose and troubleshoot the Matrix and Smooth controls should attend this class.

COURSE HARDWARE

FCA730PY, FCA750PY, MDS-DH-V1/V2-xx, MDS-DH-SP-xx 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 Matrix & Smooth Hardware & Connections
- LESSON 3 Matrix, Matrix Nexus, Smooth X, Smooth C, Smooth G Overview
- 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

RECOMMENDED E-LEARNING

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](#).

