



for a greener tomorrow



Citizen M300 Maintenance Training

Service and Maintenance

Course Description

| Citizen M300 Maintenance Training | |
|-----------------------------------|--------------|
| Course Code | MEMTBCZ-3101 |
| Course Credits | 3.0 credits |
| Length | 3 Days |
| Price | \$2,000 |
| Prerequisite | None |

INTRODUCTION

This course has been designed and tailored to fit the uniqueness of Citizen machines using the Mitsubishi Electric M300 control. Upon completion of this course, maintenance employees will have a fundamental understanding of the M300 control and should be able to troubleshoot and maintain a complete control system on any Citizen machine.

WHO SHOULD ATTEND?

This class is intended only for students who are interested in learning the Mitsubishi Electric M300 control on Citizen machines.

COURSE HARDWARE

MC161-1, MC721, MC712, PD19/21, MR-S11-xx-n servo drive, MR-S12-xx-n servo drive, FR-SFJ spindle drive, FR-SGJ spindle drive

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 M300 Hardware & Connections
- LESSON 2 Control LEDs
- LESSON 3 Citizen Screen Navigation
- LESSON 4 Backup Procedures
- LESSON 5 Reinitialization Procedures
- LESSON 6 Citizen-specific Formatting
- LESSON 7 Drive System Overview
- LESSON 8 Parameters, Macros & Custom Variable Settings
- LESSON 9 NC Troubleshooting
- LESSON 10 Citizen 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](#).

