



for a greener tomorrow



Advanced MDS and MR-J2 Drive Training

Service and Maintenance

Course Description

Advanced MDS and MR-J2 Drive Training	
Course Code	MENCST-0101
Course Credits	4.0 credits
Length	3 Days
Price	\$2,000
Prerequisite	None

INTRODUCTION

In this class, students will learn the advanced features of Mitsubishi Electric servo and spindle drives and how to optimize the drives for peak performance. Students will also gain knowledge on how to service, maintain, and troubleshoot a MR-J2 servo drive unit.

WHO SHOULD ATTEND?

Maintenance employees and service professionals with 3-5 years of experience in servicing Mitsubishi Electric control equipment should attend this class.

COURSE HARDWARE

MDS-C1, MDS-D/DH, MDS-E/EH Drives, MR-J2-xx-CT

PREREQUISITES EXPLAINED

Students should have taken the CNC Basic Maintenance and Troubleshooting class (MENC00-0101) or have equivalent experience.

COURSE OUTLINE

- LESSON 1 MDS Drive Theory
- LESSON 2 MDS Hardware & Connections
- LESSON 3 Open Loop and Closed Loop Systems
- LESSON 4 Setting Drive Parameters
- LESSON 5 Eliminating Axis Noise & Vibration
- LESSON 6 PLG Tuning
- LESSON 7 Basic Servo/Spindle Tuning
- LESSON 8 Alarms & Drive Faults
- LESSON 9 Drive Unit I/O Diagnostics
- LESSON 10 MR-J2 Drive Overview
- LESSON 11 MR-J2 Drive Troubleshooting

CERTIFICATION LEVELS

Click [here](#) to learn how to achieve a Mitsubishi Electric Level 1 Specialist Certification, Level 2 Master Certification or Level 3 Expert Certification.

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