

CNCTS Presents - Fanuc Alpha Servo for Maintenance & Service Personnel

The CNCTS intro to Alpha Servo Systems course provides a functional understanding the maintenance and debug of Fanuc Alpha series power supplies, amplifiers and motors. Students will learn about diagnostic address and error codes. Classroom discussions focus on servo concepts and are followed by laboratory exercise on CNCTS Fanuc control simulators.

Who should attend?

This course is designed for plant maintenance staff and field service personnel who are responsible for the regular maintenance of machine tools with Fanuc alpha servo drive systems.

Prerequisites:

It is recommended that participants should first attend CNCTS' Fanuc maintenance course or have equivalent CNC knowledge. They should also have experience with working with voltages over 200 volts AC, be able to operate a digital voltmeter and an oscilloscope.

Course Objectives:

Upon completion of this Course, the student should be able to:

- Verify power connections between the CNC and the amplifier.
- Identify signal flow or communication between a servo and a CNC.
- Adjust servo parameters on the CNC.
- Identify and interpret CNC alarms and amplifier LED displays.
- Troubleshoot using breakout boards, check boards and CNC diagnostics.