

# Automation Consultants Training Classes

## Basic CNC Troubleshooting

This is an introductory course. Students should be new to CNC machining and have an electrical background. The objective is to have the student understand the principals of operation and know where to start looking for a problem. Upon completion of the course students will be able to intelligently discuss a machine problem with other engineers using standard industry terminology.



Terminology used to describe the machine and the machining process.

Discuss metal cutting and how it affects the machine performance.

Discuss basic program commands such as G, F, M, S and T.

Identifying control types, software versions, machine models.



Identify the major components in the machine.

Show how the control handles movement and I/O.

Observe control screens used to diagnose errors.

Learn to safely test the major components on the machine.

Learn to distinguish between Fanuc and machine tool builder alarms.



Use of the diagnostic and ladder logic screens to trace errors.

All of our classes can be tailored to the specific issues that you wish to address. This class is available at your facility or at our training center in Louisville, KY.

Automation Consultants  
PO Box 577

Floyds Knobs, IN. 47119

502-552-4995 812-923-5396 (fax)

[www.shoprag.com](http://www.shoprag.com)

[info@shoprag.com](mailto:info@shoprag.com)