

Corporate Office

7042 Fairfield Business Dr.
Fairfield, OH 45014-5480
(513) 874-3225
(513) 874-3229 Fax



Variable Frequency Drives

Course Description: This course covers the fundamentals of VFD's, electrical safety, AC to DC conversion and PWM for motor controls, the types of motors and how they are affected by VFD's. Students will troubleshoot a VFD hands-on trainer using parameters, programming, fault recognition, and fault codes.

Prerequisites: Basic electrical fundamentals, and AC motor controls

Textbook: CFC-Solar Binder

Learning Objectives:

- AC induction motors
- Inverter duty vs. Standard duty motors
- Basic setup parameters
- Operating requirements
- Safety precautions
- Fault codes
- Common causes of failure
- Troubleshooting drives
- Troubleshooting motors