



WE OFFER TWO TRAINING OPTIONS: **YOUR PLACE OR OURS?**

Here are the available dates for our location, *1521 E. Washington St, Indianapolis, IN 46201*

To sign up, click the TRAINING tab at [HornerIndustrial.com](http://HornerIndustrial.com)

ELECTRIC MOTOR BASICS: **1 DAY**

**APR. 23 | OCT. 15**

BASIC PROGRAMMING OF AC VARIABLE SPEED DRIVE: **ABB ACS880 - 1 DAY**

**MAY 14 | NOV. 12**

AC VAR. SPEED DRIVE BASICS: **1.5 DAYS**

**APR. 24 & 25 | OCT. 16 & 17**

BASIC PROGRAMMING OF AC VARIABLE SPEED DRIVE: **TOSHIBA AS3 - 1 DAY**

**JUNE 11 | DEC. 10**



1521 E. Washington St, Indianapolis, IN 46201

## BASIC MOTOR & VFD TRAINING

- Led by our in-house VFD Engineer
- Sign up for multiple days
- Come here or we'll come to you

**SEE INSIDE FOR CLASS DETAILS**

**INDIANAPOLIS**  
877.467.6372

**TERRE HAUTE, IN**  
800.288.5281

**FORT WAYNE, IN**  
260.434.1189

**LOUISVILLE, KY**  
502.583.7097

**SPRINGFIELD, OH**  
800.727.0549

**CINCINNATI, OH**  
800.288.9822

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





**CLASSES OFFERED**

## ELECTRIC MOTOR BASICS: 1 DAY

**DESCRIPTION:** This presentation is a one-day session on the basics of electric motors. Topics are:

- Motor components
- Induction principle or how a motor works
- Motor properties
- Motor types
- Enclosure types
- Cooling methods
- Basic bearing types
- Understanding nameplate data
- Installation issues
- Basic motor maintenance with failure types.

**WHO SHOULD ATTEND:**

Anybody looking for an **entry level** understanding of what an electric motor is, how it works, and how to care for it. *(Sales • Maintenance • Purchasing • Machine Operators)*

**REQUIREMENTS TO ATTEND:** None, but basic knowledge of electricity is helpful.

**LENGTH:** 6 - 7 hours

**COST:** \$90

## AC VARIABLE SPEED DRIVE BASICS: 1.5 DAYS (OR 10 HOURS)

**DESCRIPTION:** This presentation is a day and a half session on AC drives. Topics are:

- Short review of what an electric motor is and how it functions
- What is a drive and how they are constructed
- How the drive functions to control a motor
- Different types of drive configurations and what their purpose is
- Applications and load types
- Installation, mechanical and electrical concerns
- Basic setup of parameters (generic)
- Common functions
- Common problems encountered
- Basic troubleshooting and solutions to common issues
- Preventive maintenance

**WHO SHOULD ATTEND:** Anybody looking for an **entry to beginner level** understanding of what an AC variable speed drive is, how it functions, and when/how it's applied. *(Sales • Maintenance)*

**REQUIREMENTS TO ATTEND:** None, but basic electricity and AC motor and some machine knowledge is helpful.

**LENGTH:** 10 hours or 1.5 days.

**COST:** \$100

## BASIC PROGRAMMING OF AC VARIABLE SPEED DRIVE: 1 DAY

(ABB ACS880 OR TOSHIBA AS3)

**DESCRIPTION:** This presentation is an introduction to either the ABB ACS880 or Toshiba AS3 AC drive and how to program for common user configurations. Topics are:

- Specific product overview
- Manual introduction
- Keypad navigation
- Drive parameter
- Motor data and when to do an auto tune
- Hands on programming with drives for basic functions
  - Motor data
  - Input / Output configurations
  - Protection parameters
  - Basic functions
- Intro to advanced functions

**WHO SHOULD ATTEND:** Anyone wanting an introduction on how to navigate and program either the ABB ACS880 or Toshiba AS3 drive for common configuration.

**REQUIREMENTS TO ATTEND:** Basic drives and motor knowledge or attend **Drive Basics** listed at left.

**LENGTH:** 6 - 7 hours

**COST:** \$100

Class Limitations and Criteria: A session will be limited to a maximum of 20 people for a basics class and 10 for a drives programming class. A session will be cancelled and fee will be refunded if a minimum of six is not reached.



**SIGN UP ONLINE!**

## AT CUSTOMER FACILITY

Non-scheduled, custom, or on-site visit training is possible with the following guidelines: Please call for scheduling. Non-scheduled training can be arranged but there will be for a minimum of 6 to 10 people at a flat rate of \$1,200 plus any travel expenses if applicable. If more than 10 people, add \$120 per person.