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### LOCATIONS

Elgin IL  
1.847.760.6630

Eden Prairie MN  
952.937.8902  
1.800.288.6628

North & South Dakota  
1.800.288.6628

Iowa & Nebraska  
1.800.288.6628

Milwaukee WI  
1.800.288.6628

Madison WI  
1.800.288.6628

Fox River Valley WI  
1.800.288.6628

Oldsmar FL  
1.800.288.6628

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# ILLINOIS

## ANNOUNCING GAST MANUFACTURING & JUN-AIR

Gast Manufacturing and Jun-Air make the best air compressors and vacuum pumps in the industry. To request the latest catalogs, or to discuss challenging applications, contact us at 847.760.6630



## INTRODUCING GAST MANUFACTURING AND JUN-AIR

## DESIGNERS AND MANUFACTURERS OF QUALITY AIR-MOVING PRODUCTS

VACUUM PUMPS ♦ AIR COMPRESSORS  
AIR MOTORS ♦ GEARMOTORS ♦ BLOWERS

## TRAINING CLASSES

Below is a list of classes the Braas has to offer. PLC classes are \$150.00 per student. You can register and find available dates for the PLC training classes on-line at [www.braasco.com/training\\_courses.html](http://www.braasco.com/training_courses.html)

**PLC-201 - Introduction to PLC Programming & Software:** This first stage in training takes students through the fundamentals of PLC operation and the software programming environment. Initial lecture is supported by hands-on exercise with computers provided.

**Prerequisite:** Familiarity with Microsoft Windows environment and some exposure to logic systems is a plus. **Topics Include:** PLC Systems Overview; Wiring Interfaces; Software Navigation; PLC Architectures; Addressing and Numbering Systems **NEW! Now with CJI's**

**PLC-202 - Intermediate PLC Programming:** This class provides further instruction on the software environment with a primary emphasis on the PLC instruction set and unlocking the power of the PLC. Further detail on data structures will be covered as the student works with 28 different function codes from pre-built exercise programs. **Prerequisite:** PLC-201 **Topics Include:** Moving and Comparing Date; Sequencing; Jumps; Interlocks; Subroutines and Math **NEW! Now with CJI's**

**PLC-203 - Advanced PLC Programming:** In a continuing progression of our PLC series, the student will learn advanced functions in PLC programming. The session begins with exercises that deal with interfacing to external devices and offers exposure to network set-up with routing tables and the use of supporting software modules. An introduction to FB programming rounds out our series and concludes this session. **Prerequisite:** PLC-202 **Topics Include:** Serial Interfacing Commands; I/O Table Set-Up; Intro to CX-Integrator; Use of CX-Thermo; Using Function Blocks; Overview on Custom Function Blocks **NEW! Now with CJI's**

### FREE Seminars offered by SMC

SMC offers the following FREE training classes on location at: SMC 858 Meridian Lakes Dr, Suite F, Aurora, IL 60504

Please contact Dan Toynton at 630.640.6151 or [dan.toynton@braasco.com](mailto:dan.toynton@braasco.com) to sign-up OR

Go to [www.braasco.com/training\\_courses.html](http://www.braasco.com/training_courses.html) - Free seminars

June 11-12th - Vacuum Technology

June 18-19th - Electro-Pneumatic Technology

May 7-8th - Intro to Pneumatics - Maintenance & Troubleshooting

July 9-10th - Intro to Pneumatics - System Design & Component Sizing

## TRAINING CLASSES OFFERED

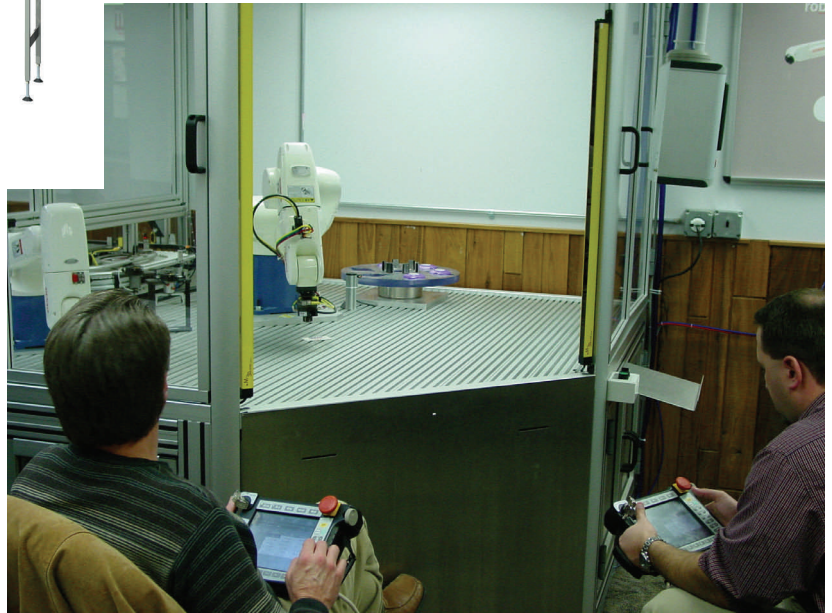
### Braas Company increases training class offerings



to expand the offering to help meet your needs. With the assistance of Omron Electronics and Denso Robotics, we have created a tremendous offering of customer oriented solution based classes.

Sign-up on-line at  
[www.braasco.com/training\\_courses.html](http://www.braasco.com/training_courses.html)  
for class descriptions and locations.

Braas Company has offered training at our world class training facility in Eden Prairie, MN for many years, and in more recent years at our Florida facility. We've recently added an entire host of training classes at our **Elgin, IL** and **New Berlin, WI** facilities. Local classes include PLC and Denso Robotics training. Our intention is to continue

**OMRON.**

## OMRON'S COLOR VISION INSPECTION ZFX

Omron's new ZFX-C Smart Vision Sensor is a total image processing system that includes everything from a camera with an integrated light source to an image-processing unit.

With Omron's newly developed proprietary measurement algorithm, the parameter can be set through only a few steps involving the operation of a touch-panel color monitor.

This "Smart" user interface provides simplicity of usage giving anyone all they can need to perform a complete image enhancement.

The new technology and style of the ZFX-C paves the way to a new era of vision sensors.

Call for a free on-site demonstration - See how Omron simplifies set-up of lighting, area of interest and color filtering with the ZFX color vision sensor. Real-time images display on the controller's built-in touch screen.

Braas Company application engineers are available to demonstrate the simplicity of the latest color vision system from Omron Electronics.

Call and schedule your free on-site demonstration today! 847.760.6630