



CUSTOM MOTOR MANUFACTURING

When you've been in business as long as Flanders, you've managed to learn a thing or two. Our Custom Motor Manufacturing is where our experience and manufacturing capabilities meet. It is where all of Flanders' separate assets come together to create a solution to a specific customer need. From concept to design, from design to creation and from creation to commissioning, Flanders works closely with you to ensure your exact needs and standards are met. Once you are satisfied, Flanders will handle the installation of our collaborative efforts, with a sense of satisfaction and professional pride.

Committed to maximum quality and rapid turnaround, in a cost effective manner, we consider no job to be too large or small. Obviously, with seven full-service locations and over 650 employees, we can rebuild or manufacture small motors, but, we're capable of manufacturing AC and DC motors of any size. Our three-shift operation means fast, economical turnaround, and our trucking capability of over 100 tons, means we can deliver almost any size assembly.



A Partial List of Flanders' Custom Motor Manufacturing Capabilities Includes:

- Resin Rich, Class H Insulation Systems,
- High Strength Shafts
- Proprietary Field Coil Insulation System
- ISO 9001: 2008 Certified Process
- Thoroughly Inspected and Tested: Component Level to Full Voltage Test Run
- "Drop-in" Replacements
- Horsepower Upgrades



Flanders Electric
8101 Baumgart Road
Evansville IN 47725

Ph: 812.867.7421

Fx: 812.867.2687

*For After Hours Emergency Services,
Call 812-867-7421 and follow prompts.*

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ENGINEERING DIVISION

ISO 9001: 2008

Flanders Electric's Engineering Division began in 1985 as the Product Sales and Engineering department. The Division now has a staff of over 40, highly qualified, personnel ranging from system and field engineers, to designers, technicians and inside customer service representatives. Their 50,000 square foot office, shop, and inventory space serves as your single resource for industrial automation control systems.

The engineers at Flanders have gained a reputation, nationwide, for their unsurpassed quality and commitment to excellence. They are specialists in PLC and AC/DC drives systems integration; retrofits; PLC's; HMI and SCADA systems as well as mining switchgear. As a result, many major manufacturers have trusted them to provide complete turnkey systems from initial concept through control panel construction to final start-up. Our customers consider our engineers' documentation and follow-up support along with their diverse capabilities and expertise to be an invaluable asset to their overall operations.



Our Engineers Can Provide Expertise In:

- System Integration
- Level 1 & 2 Automation
- Field Engineering
- UL Approved Custom Control Manufacturing
- Motor Performance Analysis
- Safety Devices Automation
- Custom Training
- Programming
- Switchgear Design and Fabrication
- Custom Motor Design/Re-design and Fabrication
- Tachometer Repair



Flanders Electric
8101 Baumgart Road
Evansville IN 47725

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Call 812-867-4014 and follow prompts.*

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FIELD SERVICE DIVISION

In 1985, Flanders Electric's customers were demanding personal attention in the field. The Field Services Division was born out of this demand. Since that time, the Division has branched out from the Evansville, Indiana Headquarters to maintain field offices in Arizona, Colorado, Florida and Wyoming; employing more than 30 Field Engineers and Service Technicians. Our Field Service Division specializes in on-site projects for a variety of industries as well as designing customized motor management programs.

By predicting and preventing problems, you are cutting downtime and increasing your bottom line which is one of the main functions of our Field Service team. However, when failures can't be averted, our Field Service Division is available to perform on-site services in a wide range of disciplines for a variety of industries. From basic technical support to a complete turnkey installation, Flanders can quickly provide the field services you require at a level of expertise that is unmatched in the industry. One call, day or night, 365 days a year, activates the Flanders team and provides you with service you know you can trust.



A Partial List of Flanders' Field Service Capabilities Includes:

INSTALLATION AND START UP

- Rotating Equipment Removal and Installation
- Retrofits and Upgrades
- Performance Measurement and Verification

PREDICTIVE MAINTENANCE

- PdMA Motor Circuit Analysis
- Motor Insulation Condition Trending
- Vibration Monitoring and Analysis
- Dynamic Rotor Bar Analysis
- Non-Invasive Testing of Gearing and Anti-Friction Bearings
- Total Reliability Assessments

PREVENTIVE MAINTENANCE

- Set-up of Maintenance Schedules
- Review of Existing Maintenance
- "Turnkey" Maintenance Implementation

APPARATUS ALIGNMENT

- Laser Alignment Systems

ON-SITE RECONDITIONING OF MOTORS AND GENERATORS

- Cryogenic Cleaning
- Testing
- Inspection
- Bearing Replacement
- Commutator Turning and Undercutting
- Slip Ring Resurfacing

SAFETY

- MSHA Qualified
- OSHA Compliant SMP Plans
- Licensed Equipment Operators

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ISO 9001: 2008

It is no longer accepted for a company to merely boast about quality. Today, you have to prove your quality. Our ISO 9001: 2008 registration is a testament to our dedication and the superior quality that our customers can expect. Quality has been a consideration at Flanders from the very beginning. When your operation is running 24/7, you have to be producing quality every day, or there won't be a future. Our numerous awards along with customer testimonials will attest to our quality, and our certifications will verify that our standards are consistent with global quality guidelines.

Quality Policy

Flanders Electric will provide its customers with the highest caliber of repair, engineering and manufacturing services available. This objective shall be realized through:

- Continual Quality Improvement Through the ISO Process
- Monitoring Customer Satisfaction
- Using Qualified Vendors to Provide the Highest Quality Materials
- Hiring and Ongoing Education of the Best Available Employees
- Cooperation Between All Flanders' Employees to Exceed Our Customers' Expectations

CUSTOMER COMMENTS-

"My experience with Flanders has been excellent."

"Field Service crews are excellent with workmanship/speed and safety."

"I wish other companies/suppliers were as good to deal with as Flanders..."

"...we have always been given good quality service by Flanders' engineering and services group."

"Flanders has always done an outstanding job... that includes motor repairs, field work and speed controllers."



A Partial List of Flanders' Repair Qualifications Includes:

- ISO 9001: 2008
- UL Approved for Motors and Custom Controls
- Siemens Golden Eagle Award

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REPAIR

24 hours a day, 7 days a week. That is one of the most powerful statements we can make about our repair facility. In order to provide maximum response and quick turnaround, our facilities are repairing motors around the clock. Much can be said for the equipment, but our people are the first response team and, ultimately, the final measure of our commitment to service and quality.

Beginning with state-of-the-art testing equipment for accurate repair analysis, our people begin the repair process. Once a job is underway, a computer tracks every step, providing accurate cost and delivery updates. Thorough records are then retained on each repair job, giving the client peace of mind and retaining much-needed information for future reference. All repairs are performed to meet or exceed customer specifications.

As one of the first companies in the nation to use the vacuum-pressure-impregnation (VPI) system, we have dedicated ourselves to continually upgrading our technologies in order to maintain quality and efficiency. By using our VPI system or our resin-rich coil insulation systems, Flanders' rewinds will provide maximum reliability for harsh environments and maximum life through cooler running, void-free coils.



A Partial List of Flanders' Repair Capabilities Includes:

- Total In-House Manufacturing of Class H, VPI and Resin-Rich Coils Through 15 KV
- Full Voltage Testing Through 13.2 KV
- Large AC/DC Motor Dynamometer Testing
- Accurate Vibration Analysis of Each Job
- Dynamic Balancing to 100 tons
- Complete In-House Machine Shop
- Babbitt Bearing Spin Casting Process
- Member, Dupont Nomex Repair Alliance
- Three Shift Operation for Fast Turn-around
- ACES - Motor Exchange

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TRAINING ACADEMY

At Flanders Electric, we know that having a well trained staff makes you and us more productive, which is why we have established THE FLANDERS ELECTRIC TRAINING ACADEMY.

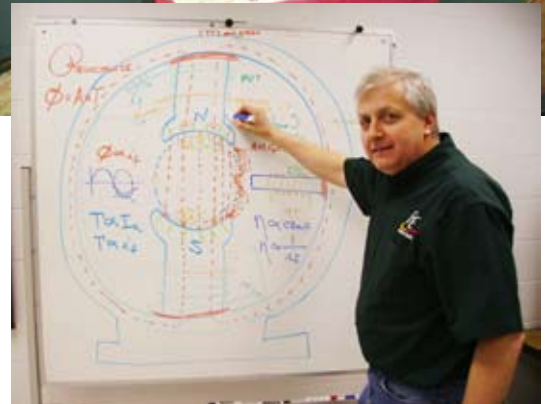
The mission of the Training Academy is to provide quality technical training internally and to our customers in order to assist you with your electrical technical and electrical safety training needs.

Our training focus is to help you with basic electrical training, AC and DC motor training, excavator controls training, regulatory electrical training and PLC training.

Our training involves custom designed training programs directed specifically to your needs and our training staff has many years of practical field experience as well as additional years of training expertise.

We can design training classes from 1 to 4 days and courses that encompass several topics catering to your schedule.

Give us a call today to discuss how we can assist you with your training needs.



Flanders Training Staff Can Provide Training In the Following Areas:

- Electrical Fundamentals
- DC Machines
- AC Machines
- Power System Protection
- Excavator Controls
- MSHA Electrical Test Preparation
- MSHA Re-Qualification
- AC & DC Drives
- Programmable Logic Controllers (PLC)

Flanders Electric
Jed E. Jensen, Training Academy Director
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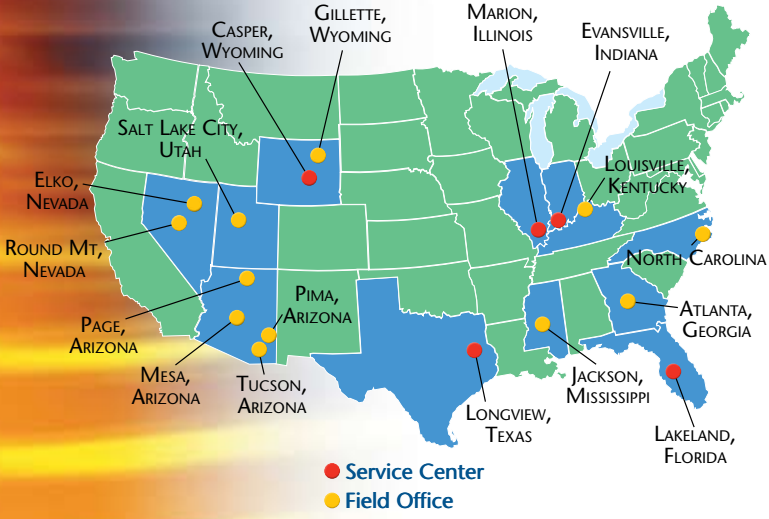


LOCATIONS

Flanders is situated throughout the United States and internationally for easy customer access.

Whether it is a full service repair/manufacturing facility or a field office, you will receive the highest level of service that our customers have come to expect.

UNITED STATES MAP



INTERNATIONAL FIELD OFFICE MAP



INDIANA

Main Shop/Office
8101 Baumgart Rd.
Evansville, IN 47725
Bus 812.867.7421
Fax 812.867.2687

Engineering Division
8101 Baumgart Rd.
Evansville, IN 47725
Bus 812.867.4014
Fax 812.867.4190

NEMA Frame Shop
1050 E. Maryland St.
Evansville, IN 47711
Bus 812.421.4300
Fax 812.421.4310

ILLINOIS

**Flanders Electric
Marion Service Center**
1000 N. Court St.
Marion, IL 62959
Bus 618.993.2681
Fax 618.993.6081

TEXAS

**Flanders Electric
Longview Service Center**
901 Harrison Rd.
Longview, TX 75604
Bus 903.759.9439
Fax 903.297.9939

WYOMING

**Flanders Electric
Casper Service Center**
3245 Salt Creek Hwy.
Casper, WY 82601
Bus 307.237.4099
Fax 307.237.4098

FLORIDA

**Flanders Electric
Lakeland Service Center**
2701 S. Combee Rd.
Lakeland, FL 33803
Bus 863.510.0555
Fax 863.510.0550

ARIZONA

**Flanders Electric
Advanced Products Group
& Mine Technology Group**
622 E. Center St.
Pima, AZ 85543
Bus 928.792.2819
Fax 928.485.0700

INTERNATIONAL OFFICES

**Edmonton, Canada
Antofagasta, Chile
Mackay, Australia
Mpumalanga, South Africa
Mumbai, India
Rabat, Morocco**

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