

WE KEEP ELECTRIC MOTORS AND GENERATORS RUNNING

REPAIR SERVICES

Motor & Generator Repair

- AC motor repair thru 15,000 HP
- DC motor repair thru 7,000 HP
- Dedicated small motor (<=600VAC) repair center
- 6 ft. VPI—100% solids epoxy resin
- 50-ton crane capacity
- Dynamic balance stand up to 5,000 lbs.
- UL® certification
- Stator and rotor restacking
- Commutator profiling and resurfacing
- AC & DC motor redesign
- Pick up and delivery service

Motor & Generator Rewind Technologies

- "Global VPI" Stator Rewinds
 - PowerLok™ up to 7.2 kV with 1-year warranty
 - PowerSeal™ up to 7.2 kV with 5-year warranty
 - MegaSeal™ up to 15 kV with 5-year warranty
- "B-Stage" Resin-Rich Stator Coils
 - IntegraCoil™ up to 15 kV with 1-year warranty
 - HydroCoil™ up to 15 kV for hydro generators

Specialty Motor Repair

- Synchronous, brush and brushless
- Wound-rotor AC
- Motor/Generator sets
- Hermetic
- Submersible
- Vertical
- Mill duty
- Variable speed
- High-efficiency AC
- Traction equipment
- Annealing furnace fan motors
- Custom designs
- Servo, Spindle, Arbor, Low-voltage DC

Motor & Generator Testing

- Full load testing thru 1,500 HP
- Run testing to 13,200 VAC / 500 VDC
- Motor Circuit Evaluation (MCE)
- Core Loss Test (Computerized)
- Vibration Analysis (Spectral)
- Thermography
- Polarization Index Test
- Locked rotor testing
- Resistivity, Hi-Pot (AC & DC), Megger®, Surge test

Mechanical Repair

- Gear reducer rebuilding
- Pumps—centrifugal/submersible/vacuum
- Gear motor, clutches, brakes
- Fans, blowers, heat exchangers
- Mechanical adjustable-speed drives
- Crusher repair—all types
- Belt magnet repair
- Lathe—54" swing x 165" length
- Milling—Vertical and Horizontal
- Pressing—up to 400 tons
- Welding—MIG/TIG
- Parts manufacturing (shafts, bases, housings)

Electronic Repair

- Circuit boards—all manufacturers
- AC & DC drives, operator interfaces, servo controls
- PLC's, I/O modules, power supplies, instruments

Authorized Warranty Repair

- | | | |
|-----------|--------------|------------|
| • ABB | • ATB Morley | • Baldor |
| • Dodge | • KATO Eng. | • Reliance |
| • Siemens | • Toshiba | • WEG |



50-ton lifting capacity



6' VPI tank



Load testing to 1,500 HP
and 13.2 kV / 500 VDC



Motor Circuit Evaluation (MCE)

FIELD SERVICES

Predictive Maintenance

- Vibration and modal analysis
- Motor Circuit Evaluation (MCE)
- Synchronous rotor diagnostics
- Current analysis trending
- Thermography
- Motor efficiency testing

Preventive Maintenance

- Precision laser alignment
- Cryogenic "dry ice" cleaning
- On-site balancing
- Commutator and slip ring service
- Filter replacements
- Lubrication programs

On-site Commissioning and Repair

- Equipment installation/removal
- Emergency and outage support
- Mechanical machining and repair
- AC & DC motor and generator repair
- Stator and armature rewinding
- Equipment inspections

Performance Improvement Services

- Disaster, contingency and recovery programs
- Maintenance assessments and programs
- Reliability engineering
- Training programs

Evansville Field Office

6751 Frontage Road
Poseyville, IN 47633

812.665.4400
513.863.8816
513.863.7679 (FAX)

www.ips.us

WE KEEP ELECTRIC MOTORS AND GENERATORS RUNNING

PRODUCT SALES

AC & DC Motors—NEMA and Above NEMA, Gearmotors, Parts



Authorized Reliance OEM Replacement Parts

AC & DC—Coils and Armatures



- AC stator coils (up to 15 kV)—IntegraCoil™ B-stage hard coils, VPI and sealed coil systems
- AC rotating fields—edge and wire wound
- DC armature coils—VPI, dip and bake and sealed coil systems
- DC field coils—Shunts, Series, Compound, Rotor Bars, I-Poles
- Specialty coils (brake, transformer, etc.)

CNC Precision Machined Parts



- Shafts up to 23" diameter and 80" long
- Milling up to 20" x 40" plate—Flats and Hex parts
- Hole drilling and tapping
- Keyway machining
- Digital Bore gauges
- 3D CAD/CAM

Unit Exchange & Remanufacture Programs



- Dodge TXT Reducers—Sizes 3 thru 15
- Underground Mining Motors
- Mill Duty and Base Fan Motors
- Wind Generators—multiple brands and sizes



NEMA motors



Above NEMA motors



Spare stator coils up to 15 kV



Remanufactured field coils
– edge and wire wound

NORTH AMERICAN COVERAGE



UNITED STATES

- | | |
|--------------------|------------------|
| Beaumont, TX | Greenville, SC |
| Birmingham, AL | Houston, TX |
| Chicago, IL | Indiana, PA |
| Cincinnati, OH | Lake Benton, MN |
| Cleveland, OH | Litchfield, MN |
| Corpus Christi, TX | Philadelphia, PA |
| Denver, CO | Portland, OR |
| Detroit, MI | Rock Hill, SC |
| Des Moines, IA | Shreveport, LA |
| Dothan, AL | Sulphur, LA |
| Erie, PA | Sweetwater, TX |
| Evansville, IN | Washington, PA |
| Folcroft, PA | |

CANADA

- Regina, SK
- Saskatoon, SK
- Winnipeg, MB

Evansville Field Office
6751 Frontage Road
Poseyville, IN 47633

812.665.4400
513.863.8816
513.863.7679 (FAX)
www.ips.us