

**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

**Cincinnati Service Center**

2175-A Schlichter Drive  
Hamilton, OH 45015

**800.998.8447**  
513.863.8816  
513.863.7679 (FAX)  
[www.ips.us](http://www.ips.us)

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## 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

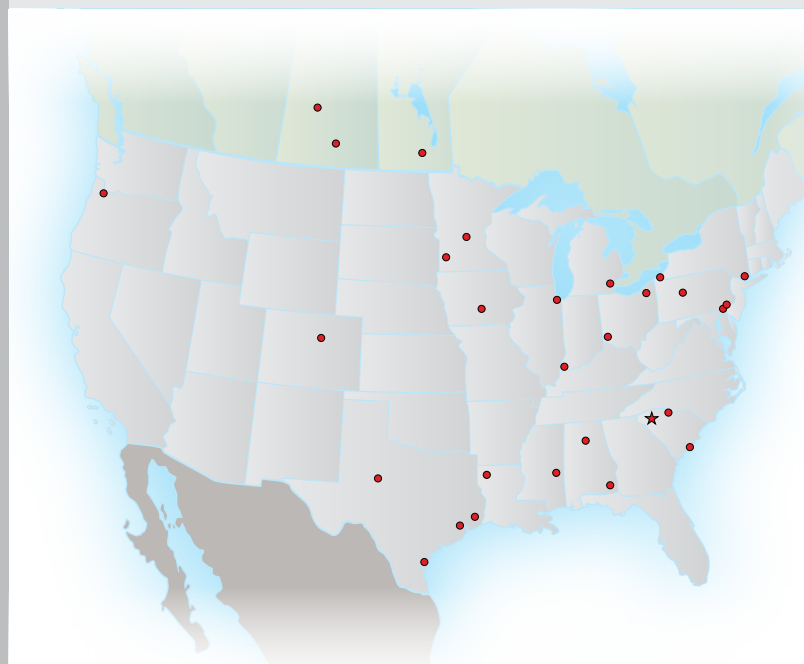


Spare stator coils up to 15 kV



Remanufactured field coils  
- edge and wire wound

## NORTH AMERICAN COVERAGE



### UNITED STATES

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

### CANADA

Regina, SK  
Saskatoon, SK  
Winnipeg, MB

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