

**WE KEEP ELECTRIC MOTORS AND GENERATORS RUNNING**

**REPAIR SERVICES**

**Motor & Generator Repair**

- AC motor repair thru 10,000 HP
- DC motor repair thru 7,000 HP
- 7 ft. VPI—100% solids epoxy resin
- 20-ton crane capacity
- Dynamic balance stand up to 15,000 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
- Generator rewinds—Hydro and Wind
- Hermetic, Submersible and Vertical
- Mill duty
- Explosion proof
- Mining
- Variable speed
- High-efficiency AC
- Navy and Marine
- Traction equipment
- Wheel
- Custom designs
- Servo, Spindle, Arbor and Low-voltage DC

**Motor & Generator Testing**

- Full load testing thru 300 HP
- Run testing to 4,160 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**

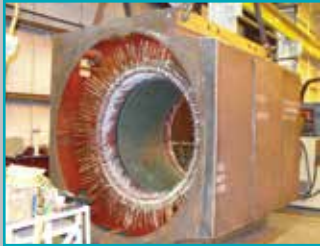
- Gear reducer rebuilding
- Pumps—centrifugal/submersible/vacuum
- Gear motor, clutches, brakes
- Fans, blowers, heat exchangers
- Mechanical adjustable-speed drives
- Lathe—up to 37" x 108"
- Pressing—up to 150 tons
- Diamond burnishing
- Brush electroplating
- Flame spray metallizing
- Welding—MIG/TIG
- 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      |



AC motor repair thru 10,000 HP



In-house servo motor repair



In-house industrial electronic repair



Motor Circuit Evaluation (MCE)

**FIELD SERVICES**

**On-site Services**

- Vibration and Modal analysis
- Motor Circuit Evaluation (MCE)
- Installation and commissioning
- Emergency and outage support
- Cryogenic "dry ice" cleaning
- Laser alignment and bearing current detection
- Thermography
- Oil analysis and Lubrication programs
- Hydro-electric generator maintenance
- Mechanical balancing, machining and repair
- AC & DC motor and generator repair
- Commutator and slip ring field machining and profiling
- Stator and armature rewinding

**Motor Storage Programs**

- 12,000 sq. ft. warehouse
- Temperature controlled
- Shaft rotation
- Windings meggered
- 24/7 on-call service
- Full documentation



**Performance Improvement Services**

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

**Philadelphia Service Center**  
3240 South 78th Street  
Philadelphia, PA 19153

**800.451.5718**  
215.365.1500  
215.365.1530 (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

## 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



NEMA motors



Above NEMA motors



Spare stator coils up to 15 kV



Remanufactured field coils  
— edge and wire wound

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