

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
- Precision balance stand up to 15,000 lbs.
- UL® certification
- Stator and rotor restacking
- Commutator profiling and resurfacing
- AC & DC motor redesign

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
- AC generator rewinds
- Hermetic
- Submersible
- Vertical
- Mill duty
- Explosion Proof
- Mining
- Variable speed
- High-efficiency AC
- Navy and Marine
- Top drive
- Traction equipment
- Wheel drive
- Annealing furnace fan motors
- Servo, Spindle, Arbor and Low-voltage DC

Motor & Generator Testing

- Full load testing thru 1,750 HP
- Run testing to 7,200 VAC / 750 VDC
- Motor Circuit Evaluation (MCE)
- IEEE 1776-2008 Water Immersion
- 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
- Dodge TXT Spare Exchange Program
- Dodge CST reducer repair
- Pumps—centrifugal/submersible/vacuum
- Gear motors, clutches, brakes
- Fans, blowers, heat exchangers
- Mechanical adjustable-speed drives
- Compressors
- Milling—Vertical and Horizontal
- Pressing—up to 150 tons
- Diamond burnishing
- Flame spray metallizing
- Brush electroplating
- Welding—MIG/TIG
- Parts manufacturing (shafts, bases, housings)

Electronic Repair

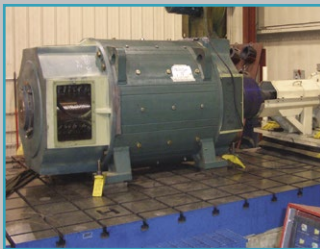
- Circuit boards—all manufacturers
- AC & DC drives, operator interfaces, servo controls
- PLC's, I/O modules, power supplies, instruments

Authorized Warranty Repair

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



PowerSeal™ VPI Rewind



Load testing to 1,750 HP and 7,200 VAC / 750 VDC



Dedicated trucks and 20 ton cranes



Motor Circuit Evaluation (MCE)

Birmingham Service Center
3100 Pinson Valley Parkway
Birmingham, AL 35217

800.978.2212
205.841.8377
205.841.8035 (FAX)
www.ips.us

FIELD SERVICES

On-site Services

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

Motor Storage Programs

- 20,000 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

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PRODUCT SALES

AC & DC Motors—NEMA, Above NEMA and Spare 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	Folcroft, PA
Birmingham, AL	Greenville, SC
Charleston, SC	Houston, TX
Chicago, IL	Indiana, PA
Cincinnati, OH	Lake Benton, MN
Cleveland, OH	Litchfield, MN
Clifton, NJ	Meridian, MS
Corpus Christi, TX	Philadelphia, PA
Denver, CO	Portland, OR
Des Moines, IA	Rock Hill, SC
Detroit, MI	Seattle, WA
Dothan, AL	Shreveport, LA
Enid, OK	Spokane, WA
Erie, PA	Sweetwater, TX
Evansville, IN	Wichita, KS

CANADA

Regina, SK
Saskatoon, SK
Winnipeg, MB

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