

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
- Dedicated small motor (<=600VAC) repair center
- 10 ft. VPI—100% solids epoxy resin
- 17.5-ton crane capacity
- Dynamic balance stand up to 20,000 lbs.
- UL® certification
- Stator and rotor restacking
- Commutator profiling and resurfacing
- AC & DC motor redesign
- Bearing rebabbiting
- Brush electroplating
- 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
- Vertical
- Mill duty
- Mining
- Variable speed
- High-efficiency AC
- Navy and Marine
- Traction equipment
- Wheel Drive
- Servo, Spindle, Arbor and Low-voltage DC



Motor & Generator Testing

- Full load testing thru 1,250 HP
- Run testing to 6,900 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 and CST reducer repair
- Hydraulic cylinders
- Pumps—centrifugal/submersible/vacuum
- Gear motor, clutches, brakes
- Fans, blowers, heat exchangers
- Mechanical adjustable-speed drives
- Compressors
- Milling—Vertical and Horizontal
- Pressing—up to 200 tons
- Diamond burnishing and 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
- Dodge
- Siemens
- ATB Morley
- Reliance
- WEG
- Baldor
- Sicmemotori



PowerSeal™ VPI Rewind



10' VPI tank



Load testing to 1,250 HP and 6,900 VAC / 750 VDC



Motor Circuit Evaluation (MCE)

Rock Hill Service Center
1332 Fire Tower Road
Rock Hill, SC 29730

800.868.3702
803.324.3700
803.324.0434 (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
- AC & DC motor and generator repair
- Commutator and slip ring service
- Stator and armature rewinding

Performance Improvement Services

- Maintenance assessments
- Preventive and predictive maintenance programs
- Condition monitoring
- Motor efficiency studies
- Contingency planning
- Reliability engineering
- Training programs
- CMMS setup
- Power services analysis
- Inventory management
- Project management
- Motor, pump, gearbox management

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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 16" diameter and 60" long
- Milling up to 20" x 40" plate—Flats and Hex parts
- Hole drilling and tapping
- Keyway machining
- Digital Bore gauges
- 3D CAD/CAM

Dodge TXT Advanced Exchange & Remanufacture Program



- 1-year warranty on Advanced Exchange or Remanufactured units
- Sizes 3 thru 15
- Rebuilt with genuine Dodge parts
- Rebuilt to original designed specifications



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

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