

WE KEEP ELECTRIC MOTORS AND GENERATORS RUNNING

REPAIR SERVICES

Motor & Generator Repair

- AC motor repair thru 20,000 HP
- DC motor repair thru 10,000 HP
- Dedicated small motor (<=690 VAC) repair center
- **Nuclear**—Safety & contaminated services available
- 12 ft. VPI—100% solids epoxy resin
- 40-ton crane capacity
- Dynamic balance stand up to 25,000 lbs.
- UL® certification
- Stator and rotor restacking
- Commutator profiling and resurfacing
- AC & DC motor redesign
- Bearing rebabbiting
- Brush electroplating

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

- Nuclear motor rewinds
- 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
- Traction equipment
- Servo, Spindle, Arbor and Low-voltage DC



Motor & Generator Testing

- Full load testing thru 2,000 HP
- Run testing to 13,800 VAC / 750 VDC
- Motor Circuit Evaluation (MCE)
- Partial Discharge
- IEEE 1776-2008 Water Immersion
- Computerized Core Loss Test
- Vibration Analysis (Spectral)
- Thermography
- Polarization Index Test
- AC Hi-Pot to 50,000 VAC (with 2,500 mA)
- DC Hi-Pot to 60,000 VDC
- Resistivity, Hi-Pot (AC & DC), Megger®, Surge test

Mechanical Repair

- Gear reducer rebuilding
- Dodge TXT and CST reducer repair
- Gear motor, clutches, brakes
- Fans, blowers, heat exchangers
- Mechanical adjustable-speed drives
- Crusher repair—all types
- Milling—Vertical and Horizontal
- Pressing—up to 250 tons
- Flame spray metallizing
- Welding—Sub-Arc/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
- Sicmemotori
- Baldor
- Reliance
- WEG



Premium VPI Rewinds:
MegaSeal™ and PowerSeal™



Dedicated winding clean room
with 12' VPI tank



No-load testing to 25,000 HP
and 13.8 kV / 750 VDC



Motor Circuit Evaluation (MCE)

Shreveport Service Center
1245 North Hearne Avenue
Shreveport, LA 71107

800.366.6030
318.222.9431
318.424.1702 (FAX)
www.ips.us

FIELD SERVICES

On-site Services

- Installation and commissioning
- Emergency and outage support
- Motor Circuit Evaluation (MCE)
- Partial Discharge Testing
- Cryogenic "dry ice" cleaning
- Vibration analysis
- Laser alignment and bearing current detection
- Thermography and 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 field machining and profiling
- Stator and armature rewinding

Performance Improvement Services

- Maintenance assessments
- Preventive, predictive maintenance programs
- Condition monitoring
- Motor efficiency studies
- Contingency planning
- Disaster assessment/recovery programs
- 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 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 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



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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