

**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 reabbating
- Brush electroplating

**Motor & Generator Rewind Technologies**

- Premium VPI Insulation Systems
  - MegaSeal™ HV (up to 15 kV) with 5-year warranty
  - EnduraSeal® MV (up to 6.9 kV) with 5-year warranty
- Standard VPI rewind with 1-year warranty
- IntegraSeal™ B-stage Stator Coils up to 15 kV

**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 429 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
- Vertical/horizontal mill capabilities
- Large press capabilities
- Flame spray metallizing
- Sub-Arc/MIG/TIG welding
- 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
- Sicomotori
- Baldor
- Reliance
- WEG



Premium VPI Rewinds:  
MegaSeal™ and EnduraSeal®



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)

**IPS Shreveport**

1245 North Hearne Avenue  
Shreveport, LA 71107

800.366.6030

318.222.9431

318.424.1702 (FAX)

[www.ips.us](http://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

**WE KEEP ELECTRIC MOTORS AND GENERATORS RUNNING**

**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)—IntegraSeal™ 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

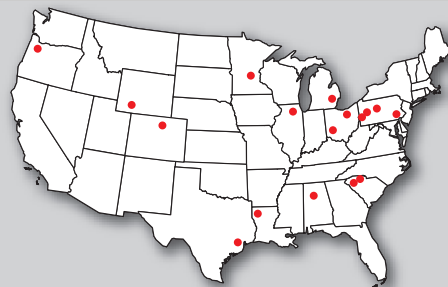
**Dodge TXT Advanced Exchange & Remanufacture Program**



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

**IPS NETWORK CAPABILITIES**

**Coast-To-Coast Coverage**



**Motor & Generator Repair**

- AC motor repair thru 15 kV or 80,000+ HP
- DC motor repair thru 10,000+ HP
- 14 Ft. VPI—100% solids epoxy resin
- 145-ton lifting capacity
- Dynamic balance stand up to 100,000 lbs.
- **Wind**—Up to 3+MW generator repair & uptower service
- **Mining**—MSHA Certification motor repair
- **Hydro**—On-site generator rewind and maintenance

**Motor & Generator Testing**

- Full load testing thru 4,500 HP
- No load testing up to 37,500 HP
- Run testing to 15,000 VAC / 1,000 VDC
- Computerized Core Loss up to 500 kVA
- Doble® testing
- Partial Discharge testing
- EL CID testing
- TVA Corona Probe
- IEEE 429 Water Immersion
- IEEE 1043 Voltage Endurance

Birmingham, AL  
Chicago, IL  
Cincinnati, OH  
Cleveland, OH  
Denver, CO  
Detroit, MI  
Glassport, PA  
Houston, TX

Indiana, PA  
Litchfield, MN  
Philadelphia, PA  
Portland, OR  
Rock Hill, SC  
Rock Springs, WY  
Shreveport, LA  
Washington, PA



NEMA motors



Above NEMA motors



Stator coils up to 15 kV



Remanufactured field coils  
- edge and wire wound

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