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
- PLCs, I/O modules, power supplies, instruments

Authorized Warranty Repair
- ABB
- Dodge
- Siemens
- ATB Morley
- KATO Eng.
- Toshiba
- Baldor
- Reliance
- WEG

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 megered
- 24/7 on-call service
- Full documentation

Performance Improvement Services
- Disaster, contingency and recovery programs
- Maintenance assessments and programs
- Reliability engineering
- Training programs
### PRODUCT SALES

**AC & DC Motors—NEMA and Above NEMA, Gearmotors, Parts**

- NEMA motors
- Above NEMA motors

**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 CADCAM

**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
- Birmingham, AL
- Charleston, SC
- Chicago, IL
- Cincinnati, OH
- Cleveland, OH
- Corpus Christi, TX
- Denver, CO
- Detroit, MI
- Des Moines, IA
- Dothan, AL
- Erie, PA
- Evansville, IN
- Folcroft, PA
- Greenville, SC
- Houston, TX
- Indiana, PA
- Lake Benton, MN
- Litchfield, MN
- Philadelphia, PA
- Portland, OR
- Rock Hill, SC
- Shreveport, LA
- Sulphur, LA
- Sweetwater, TX
- Washington, PA

#### CANADA
- Regina, SK
- Saskatoon, SK
- Winnipeg, MB