

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
- **Wind**—generator repair up to 3+MW
- Random wound coil manufacturing
- 7 ft. VPI—100% solids epoxy resin
- UL® re-certification, explosion-proof motor rebuilds
- Precision dynamic balancing
- Bearing reabbating
- Commutator resurfacing
- Brush electroplating
- 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

- Custom designs
- Servo, Low-voltage DC
- Wound-rotor AC
- Above- and below-ground mining motors
- Mill duty
- Traction
- Variable-speed, High-efficiency AC
- Navy and Marine
- Hermetic, Submersible
- Wheel drive
- Motor/Generator sets
- Annealing furnace fan motors
- Synchronous

Motor & Generator Testing

- Full load testing thru 1,500 HP
- Run testing to 13,800 VAC / 750 VDC
- Motor Circuit Evaluation (MCE)
- IEEE 1776-2008 Water Immersion
- Core Loss Test (Computerized)
- Vibration Analysis (Spectral)
- Thermography
- Heat run
- Polarization Index Test
- Locked rotor testing
- Resistivity, Hi-Pot (AC & DC), Megger®, Surge test

Mechanical Repair

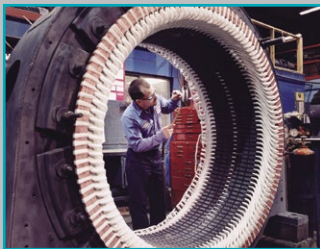
- Gear reducer rebuilding
- Dodge TXT Spare Exchange Program
- Dodge CST reducer repair
- Pumps—centrifugal/submersible/vacuum
- Gear motor, clutches, brakes
- Fans, blowers, heat exchangers
- Mechanical adjustable-speed drives
- Milling—Vertical and Horizontal
- Pressing—up to 300 tons
- Welding—MIG/TIG
- Parts manufacturing (shafts, bases, housings)

CNC Precision Machining

- 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



Mining motor exchange and repair



AC motor repair up to 10,000 HP



Load testing to 1,500 HP and 13,800 VAC / 750 VDC



24-hour truck service

Indiana-PA Service Center

4470 Lucerne Road
P.O. Box 159
Indiana, PA 15701

800.537.0097

724.479.9066

724.479.0531 (Main FAX)

724.479.3573 (New Motor FAX)

www.ips.us

FIELD SERVICES

On-site Services

- Laser alignment
- Vibration analysis
- Thermography
- Cryogenic "dry ice" cleaning
- Motor Circuit Evaluation (MCE)
- Ultrasonic testing
- Oil analysis
- Hydro-electric generator maintenance
- AC & DC motor repair
- Mechanical repair
- Generator Repair
- On-site balancing and machining
- Stator and armature rewinding
- Commutator and slip ring service
- Emergency and outage support
- Installation and commissioning

Performance Improvement Services

- Maintenance assessments
- Condition monitoring
- Preventive, predictive maintenance programs
- Motor efficiency studies
- Contingency planning
- 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, Encoders, Parts



Authorized Siemens, GE and Reliance OEM Replacement Parts

AC & DC—Coils and Armatures

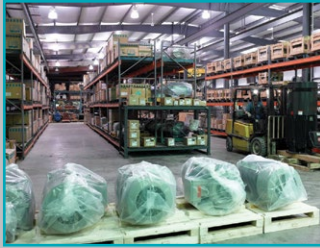


- AC stator coils (up to 15 kV)—IntegraCoil™ B-stage hard coils, VPI and sealed coil systems
- AC rotating fields—edge and wire wound
- DC armature coils—VPI, dip and bake and sealed coil systems
- DC field coils—Shunts, Series, Compound, Rotor Bars, I-Poles
- Specialty coils (brake, transformer, etc.)

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 and Above NEMA inventory



Spare stator coils up to 15 kV



Remanufactured field coils
- edge and wire wound



CNC precision parts

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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