**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
- Precision balance stand up to 15,000 lbs.
- UL® certification
- Stator and rotor restacking
- Commutator profiling and resurfacing
- 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
- Synchronous, brush and brushless
- Wound-rotor AC
- Motor/Generator sets
- AC generator rewinds
- Hermetic
- Submersible
- Vertical
- Mill duty
- Explosion Proof
- Mining
- Variable speed
- High-efficiency AC
- Navy and Marine
- Top drive
- Traction equipment
- Wheel drive
- Annealing furnace fan motors
- Servo, Spindle, Arbor and Low-voltage DC

### Motor & Generator Testing
- Full load testing thru 1,750 HP
- Run testing to 7,200 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 Spare Exchange Program
- Dodge CST reducer repair
- Pumps—centrifugal/submersible/vacuum
- Gear motors, clutches, brakes
- Fans, blowers, heat exchangers
- Mechanical adjustable-speed drives
- Compressors
- Milling—Vertical and Horizontal
- Pressing—up to 150 tons
- Diamond burnishing
- Flame spray metallizing
- Brush electroplating
- 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
- ATB Morley
- Baldor
- Dodge
- KATO Eng.
- Reliance
- Siemens
- Toshiba
- WEG
- WEG

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

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**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
- Commutator and slip ring field machining and profiling
- AC & DC motor and generator repair
- Stator and armature rewinding

**Motor Storage Programs**
- 20,000 sq. ft. warehouse
- Temperature controlled
- Shaft rotation
- Windings meggered
- 24/7 on-call service
- Full documentation

**Birmingham Service Center**
3100 Pinson Valley Parkway
Birmingham, AL 35217

800.978.2212
205.841.8377
205.841.8035 (FAX)
www.ips.us
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 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
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