

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
- **Hydro**—on-site generator rewind and maintenance
- Dedicated small motor (<690 VAC) repair center
- 8 ft. VPI—100% solids epoxy resin
- 50-ton crane capacity
- Dynamic balance stand up to 100,000 lbs.
- UL® certification
- AC & DC motor redesign and restacking

Specialty Motor Repair

- Synchronous, brush and brushless
- Wound-rotor AC
- Motor/Generator sets
- Generator rewinds—Hydro, Steam and Wind
- Hermetic, Submersible, Vertical, Mill duty
- Variable speed, High-efficiency AC
- Traction equipment
- Servo, Spindle, Arbor and Low-Voltage DC

Motor & Generator Testing

- Dynamometer Load Testing
- Run testing to 750 kVA to 4,160 VAC / 500 VDC
- Motor Circuit Evaluation (MCE)
- Computerized Core Loss
- Vibration Analysis (Spectral)
- Polarization Index Test
- Locked Rotor Testing
- Resistivity, Hi-Pot (AC & DC), Megger®, Surge Test

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

Mechanical Manufacturing & Repair

- Gear reducer rebuilding/Dodge TXT & CST repair
- Pumps—centrifugal, submersible, vacuum
- Refiner repair
- Gear motor, clutches, brakes
- Fans, blowers, heat exchangers
- Mechanical adjustable-speed drives
- Ship shafts and rudders
- Forward and aft bearing housings
- Hydraulic cylinder rods
- Roll and journal repair
- Leveler and back-up rolls
- Exit and entry rolls, print rolls, press rolls
- Mixer shafts, drive shafts
- Gearbox line boring
- Eccentric shafts
- Anvil roll repair
- Lamination and idler roll repair

Machining Capabilities

- Lathe—up to 76" x 564"
- Vertical boring mill—up to 84" Table
- Horizontal boring mill—up to 5" Bar, 60" x 100"
- Horizontal and Vertical press—zAup to 600 tons
- Electro-Chemical brush plating
- 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
- Reliance
- WEG
- Baldor
- Sicmemotori



Testing to 750 kVA - 4,160 V, 500 VDC



Wind generator repair up to 3+MW



Extensive machining capabilities



On-site hydro generator rewinds

FIELD SERVICES

On-site Services

- Installation, commissioning and outage support
- Motor Circuit Evaluation (MCE)
- Cryogenic "dry ice" cleaning
- Vibration analysis, Thermography
- Laser alignment and bearing current detection
- Oil analysis and lubrication programs
- Hydro-electric generator maintenance and rewinds
- AC & DC motor and generator repair
- Commutator and slip ring field machining and profiling
- Stator and armature rewinding
- Synchronous rotor diagnostics

Performance Improvement Services

- Maintenance assessments
- Preventive, predictive maintenance programs
- Condition monitoring
- Motor efficiency studies
- Contingency planning
- Reliability engineering
- Training programs
- CMMS setup
- Inventory management
- Project management
- Motor, pump, gearbox management

Portland Service Center

2315 NW 21st Place
Portland, OR 97210

800.366.4951

503.226.4951

503.226.7340 (FAX)

www.ips.us

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)—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



Spare stator coils up to 15 kV



Remanufactured field coils
- edge and wire wound

NORTH AMERICAN COVERAGE



UNITED STATES

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

CANADA

Regina, SK
Saskatoon, SK
Winnipeg, MB

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