



24/7 SERVICE AND DELIVERY—365 DAYS A YEAR • 800.366.4951

REPAIR SERVICES

Motor Repair

- AC motor repair thru 10,000 HP
- DC motor repair thru 7,000 HP
- Dedicated small motor (<=600VAC) repair center
- EnduraLok™ MV Insulation (3-year warranty)
- 6 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
- Pick up and delivery service

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, Low-voltage DC

Motor Testing

- Full load testing thru 2,000HP
- Run testing to 750 KVA to 4,600VAC / 500VDC
- Motor Circuit Evaluation (MCE)
- Computerized Core Loss
- Vibration Analysis (Spectral)
- Polarization Index Test
- Locked rotor testing
- Resistivity, Hi-Pot (AC & DC), Meggar, Surge test

Authorized Warranty Repair

- ABB
- Dodge
- Sicmemotori
- Baldor
- Reliance
- WEG

Mechanical Manufacturing and Repair

- Gear reducer rebuilding/Dodge TXT & CST repair
- Pumps—centrifugal/submersible/vacuum
- 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
- Gear box line boring
- Eccentric shafts
- Cooling repair
- Anvil roll repair
- Lamination and idler roll repair

Mechanical Capability

- Lathe: up to 76" x 564"
- Vertical boring mill: up to 84" Table
- Horizontal boring mill: up to 5" Bar, 60" x 100", w/rotary table
- Horizontal press up to 600 tons
- Vertical press up to 400 tons
- Planer mill: 6' wide x 6' high x 26' bed
- Cylindrical grinding
- Vertical slotter
- Keyseating and line boring
- Diamond burnishing
- 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

FIELD SERVICES

On-site Services

- Installation and commissioning
- Emergency and outage support
- Motor Circuit Evaluation (MCE)
- Cryogenic "dry ice" cleaning
- Vibration analysis
- Laser alignment and bearing current detection
- Thermography
- Oil analysis and lubrication programs
- Hydro-electric generator maintenance
- 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
- Power services analysis
- Inventory management
- Project management
- Motor, pump, gearbox management

Integrated Power Services

2315 NW 21st Place
Portland, OR 97210
800.366.4951
503.226.4951
503.226.7340 (FAX)

www.integratedpowerservices.com



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NEW PRODUCT SALES



NEMA, Above NEMA and DC Motors

- NEMA Frame—standard, severe duty and definite purpose motors thru 449T/TS
- Above NEMA—medium-voltage and high-voltage thru 15,000 HP/13.8KV
- DC motors—small and large up to 1600 Frame
- Inverter Duty Motors—variable speed thru 1,000 HP
- Spare Parts



Crusher Duty, NEMA and Above NEMA Motors

- Horizontal and Vertical Crusher Duty, Conveyor Duty and Shaker Screen Motors
- IEC Tru-Metric Motors with removable feet, C or D Flange
- General Purpose and NEMA Premium Efficient (1.25 Service Factor thru 100HP)
- Explosion-proof, Fractional HP, Above NEMA Frame Motors and Generators
- Custom-built motors for drop-in replacement

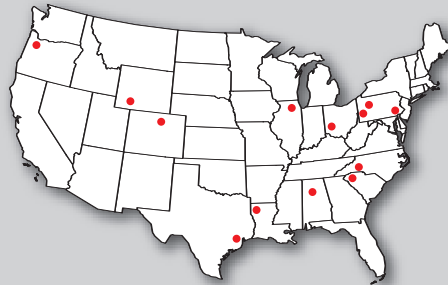


Above NEMA Motors

- Cast Iron motors, MV up to 3,000 HP
- Modular Slip Ring motors, MV and HV up to 10,000 HP
- Modular Induction motors, MV and HV up to 30,000 HP

IPS NETWORK CAPABILITIES

Coast-To-Coast Coverage



Birmingham, AL
Charlotte, NC
Chicago, IL
Cincinnati, OH
Denver, CO
Greenville, SC
Houston, TX
Indiana, PA
Philadelphia, PA
Pittsburgh, PA
Portland, OR
Rock Springs, WY
Shreveport, LA

Motor Repair

- AC motor repair thru 15kV or 39,000+HP
- DC motor repair thru 10,000 HP
- EnduraSeal™ MV motors (5-year warranty)
- MegaSeal HV (15kV) Insulation (5-year warranty)
- 14 Ft. VPI—100% solids epoxy resin
- CSA® Certification
- Nuclear motor rewinds

Motor Testing

- Full load testing thru 5,000HP
- Run testing thru 15,000VAC
- Computerized Core Loss up to 500kVA
- Motor Circuit Evaluation (MCE)
- Doble and Partial Discharge
- IEEE 429 Water Immersion
- IEEE 1043 Voltage Endurance

Mechanical Repair

- Dodge TXT Spare Exchange program
- Conveyor pulley repair and re-lagging

CNC Precision Machining Facility

- (2) Mazak Quick Turn Lathes
- Mori-Seiki SL25M Lathe
- Mazak FJV-25 Vertical Mill
- Mazak VTC200B Vertical Mill
- Kasto Racine SBH400AV 16" CNC Saw
- Sweco Vibratory Tumbling Machine
- Brown and Sharpe Coordinate Measuring Machine

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