

Repair Services



Dedicated People, Quality
Products, and Above All, Service

AC AND DC ELECTRIC MOTOR REPAIR



AC Electric Motors

L&S Electric provides the ability, reliability, experience, and customer service you need to keep running. Every job carried out of our AC electric motor repair shop, from electric motor rewinding to electric motor component repair, is performed under the strictest quality standards.

Our AC electric motor repair includes disassembly, detailed inspections, and measurements to identify electrical and mechanical damage.



All mechanical repairs on shafts, bearing journals and end bells are handled by experienced machinists.

When a failed AC motor is brought in to L&S Electric, the motor windings are removed using a burnout oven to prevent efficiency loss from lamination damage. Motors then are rewound using the highest-quality wire, insulation, and varnish



materials for lasting repairs that stand up to the most demanding industrial environments.

Each repaired AC electric motor is tested for correct electrical and mechanical performance. Voltage, current, bearing temperature, and vibration are closely monitored and documented.



DC Electric Motors

We provide total DC electric motor repair service up to 15,000 HP for a wide range of industries. Since 1933, we have been the experts in handling the complexities of DC electric motor repair.

Our quality DC motor repair includes step-by-step disassembly, detailed inspections, and measurements to identify any electrical and mechanical damage.

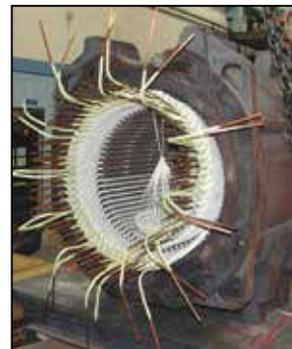


All mechanical repairs on shafts, bearing journals, and end bells, are handled by experienced machinists.

DC motor windings that fail are prepared for operation in the most demanding industrial environments by stripping

and rewinding them, using the highest-quality wire, insulation, and varnish.

Depending on your needs, repaired motors can be tested for correct electrical and mechanical operation. During these tests, voltage, current, bearing temperature, and vibration are closely monitored and documented as is brush performance and commutation. Repairs can be performed at our facility or at your site.



As a reflection of our uncompromising commitment to customer satisfaction, all of L&S Electric's work is 100% guaranteed.

GEARBOX REPAIR

L&S Electric has more than 35 years of gearbox repair expertise. This and other machining needs are met through our in-house machine shops and motor repair capabilities. Because our services are local, we can complete repairs in days, not weeks. L&S Electric's repair capabilities are unmatched in the industry.

We Service All Makes and Designs Up to 20 Tons

- Large bearing inventory means a quick turnaround
- In-house machining capability
- Seal surface rebuilding with stainless steel metal spray: more durable than a new surface
- Shaft journal rebuilding and bearing housing repair
- New shaft machining
- Gear manufacturing
- Factory-trained and experienced technicians

Capabilities

- Motorized pulley repair
- Oil analysis on-site service
- Failure analysis to prevent reoccurring failure
- 100-ton rolling table press
- Vibration analysis



CENTRIFUGAL BLOWERS

We offer complete re-build service for most centrifugal blower lines. Our services include inspection, disassembly, and repair on your centrifugal blower.

Our Service Center Offers:

- Complete replacement parts
- Blower and motor alignment
- On-site service technicians available for support
- Service available 24 hours a day, 7 days a week



PUMP REBUILDING SERVICES

L&S Electric has more than 40 years of pump rebuilding expertise. Machining needs are met with our in-house machine shops and motor repair capabilities. Because our services are local, we can rebuild in days, not weeks. Our services are unmatched in the industry.

We Service the Following Pump Types:

- Horizontal
- Turbine, short set
- Centrifugal sludge
- Vertical
- Propeller
- Submersible
- Split case
- In-line
- Self priming
- Sewage
- Wastewater
- Motor mounted
- Vacuum



DRY-ICE CLEANING

Dry-ice cleaning is similar to sand-, bead-, or soda-blasting, in which a pressurized air flow accelerates material that hits a surface to be cleaned. Using this method, the dry ice particles vaporize upon impact with the surface, eliminating any secondary waste.

Particles of solid carbon dioxide (CO₂) are propelled at supersonic velocities to create the energy that will remove and clean surfaces contaminants from a substrate.. When CO₂ pellets impact, they compress and mushroom out into a form of snow at a high velocity and then immediately sublime back into their natural state as a gas.

This creates a compression tension wave. The gas expands to nearly 800 times the volume of the pellet in milliseconds, creating a small series of micro-explosions at the impact point. The punctual thermal shock, also known as “fracking,” along with the airstream velocity and the decreasing temperature of the surface, help to break up the coating as it becomes brittle. As the molecular bond decreases, it simply pops off the contaminant from the inside out.

Benefits

- Decreased downtime
- Faster and more thorough cleaning
- No equipment damage
- Reduction or elimination of solvents
- Reduction in waste disposal
- Increased safety



1500 HP Refiner Motor



AFTER



9000 HP Ball Mill Motor



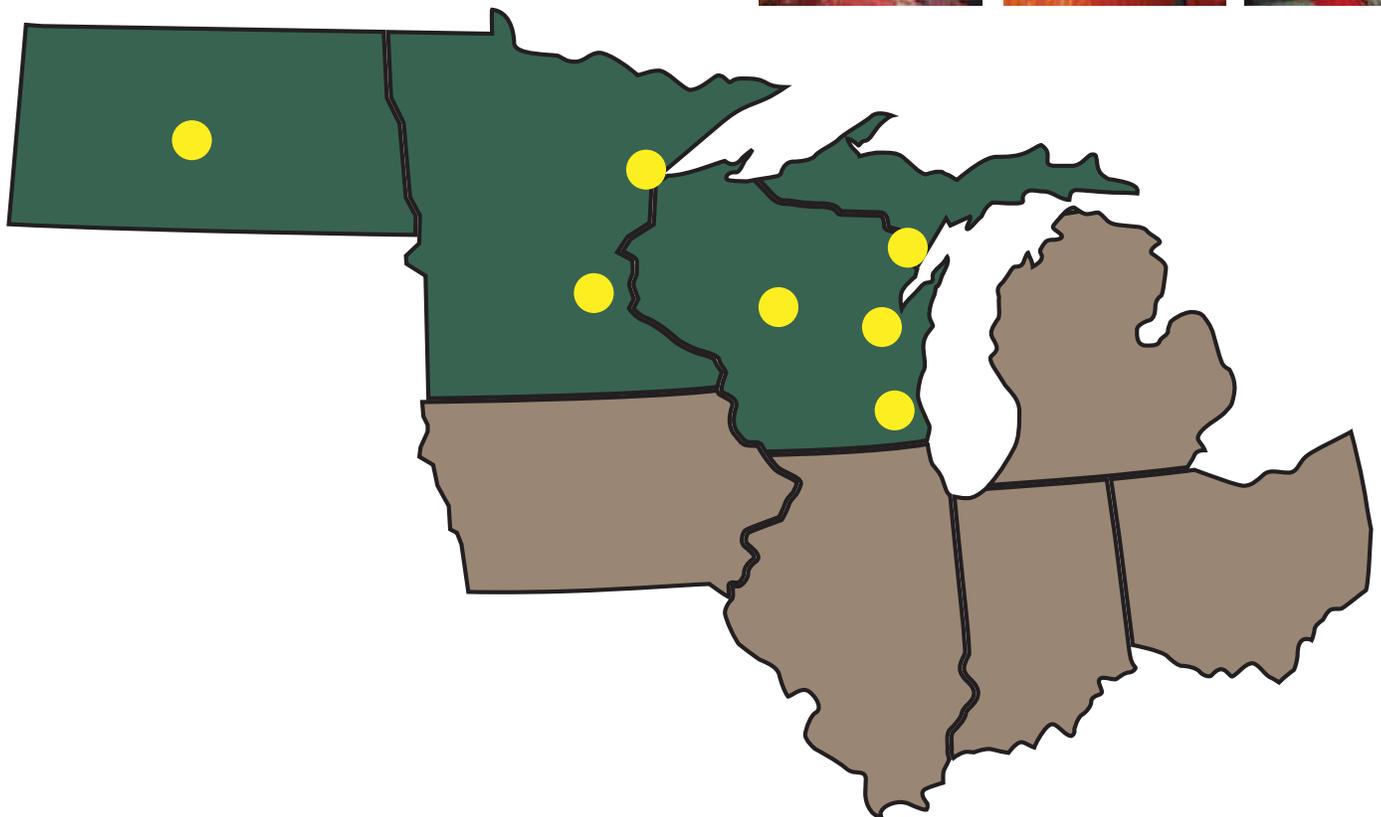
AFTER



Vacuum Pump Motor



AFTER



SCHOFIELD

715.359.3155 or 800.283.8332

DULUTH

218.729.3375 or 800.943.9549

APPLETON

920.730.0203 or 800.283.5564

MENOMINEE

906.864.2500 or 800.864.2507

STURTEVANT

262.886.1875 or 800.367.7676

MINNEAPOLIS

763.780.3234 or 800.290.9320

ROTHSCHILD

715.359.4860 or 888-246-1249

HYDRO SOLUTIONS

715.359.0551 or 877.258.5128