



Rail

Products & Services

Comprehensive Solutions Partner



Why take chances with your critical processes and equipment? Since 1937, Magnetech has provided repair, reconditioning, and remanufacturing of electrical-mechanical equipment for customers throughout North and Central America. Our broad experience with all types and brands of electrical, mechanical and power system equipment will keep you up and running. To ensure safe and reliable services, choose a trusted partner. Choose Magnetech.

AC/DC Electric Motor & Generator Services

- ▶ All manufacturers
- ▶ Class 1 and Light Rail
- ▶ EMD and GE Motors
- ▶ Repair and Rewind

Repair and Remanufacture

Locomotive components will be repaired, upgraded or completely remanufactured to the original manufacturer's specifications.

- ▶ Disassemble
- ▶ Sandblast & Clean
- ▶ Full Inspection & Repair to AAR & EMD Specifications
- ▶ Furnish & Install New & Reconditioned Parts
- ▶ Assemble and Test Run
- ▶ Varnish-Paint

Field Service Offering

- ▶ Circuit breakers, switchgear and MCC's
- ▶ Field and site testing of motors, motor contactors and starters
- ▶ Generators and controls, auto switching
- ▶ Installation, start-up and commissioning of new equipment
- ▶ Protective relaying; testing and upgrades
- ▶ Thermographic scans and infrared surveys
- ▶ Transformers, power cable and bus systems

Commitment to Quality



Magnetech is committed to operating this business with the values of exceptional customer service, integrity, comprehensive repair and service capabilities, high quality, and competitive pricing. We are working every day to do the things necessary to increase the value we can offer your company. One thing that will never change is our total dedication to meeting your needs – to get what you need, when you need it, with the quality you require.

CERTIFICATIONS

- ▶ ISO 9001:2008 Certified
- ▶ AAR M-1003 Certified
- ▶ UL Certified

e-RAILSAFE

In our continued efforts for bringing the highest form of quality and safety to our customers, we have been working on becoming e-RAILSAFE compliant. The e-RAILSAFE program is the premier Workforce Safety and Security Management program for Class 1 Railroads and the businesses that serve them. The main purpose is to improve the security of railroad employees, operations, and facilities through: personnel screening, compliance awareness & testing, and workplace credentials.



Repair & Remanufacture

Magnetech Railroad Services Division offers its customers the highest level of quality, cost savings and on-time delivery. Magnetech offers "Unit Exchange" (UTEX) and "Repair & Return" (R&R) of all major electrical rotating components for GE and EMD locomotives including auxiliary rotating equipment, main generators, main alternators and traction motors. Locomotive components will be repaired, upgraded or completely remanufactured to the original manufacturer's specifications.



Heavy Rail Remanufacturing

- ▶ Complete Stator/Rotor Rewinds, Stator Core Iron Repair and/or Renewals available on EMD/GE Generators and Alternators
- ▶ EMD AR10/11/15/20 & TA 17/20/22 Alternators
- ▶ EMD D12/22/32 Main Generators
- ▶ GE 5GMG 186/194/197 Main Alternators
- ▶ New manufacture of Auxiliary Stator and Rotor Assemblies
- ▶ New manufacture of Diode Assemblies
- ▶ Rebuilds of Utex Cooling Fans, Auxiliary Generators, Dynamic Brake Grid Blowers & Inertial Air Motors
- ▶ Sales and Remanufacturing of ALCO Main Alternators and Generators



AC/DC Electric Motor & Generator Services

- ▶ All manufacturers
- ▶ Class 1 and Light Rail
- ▶ EMD and GE Motors
- ▶ Repair and Rewind



Auxiliary Rotating & Cooling Equipment

Rebuild and Unit Exchange Available for the following:

- ▶ AC and DC Auxiliary Generators
- ▶ Complete Stator/Rotor Rewinds, Stator Core Iron Repair and/or Renewals are available on EMD/GE auxiliary cooling equipment
- ▶ Cooling Fans
- ▶ Dynamic Brake Grid Blowers
- ▶ Inertial Discharge Blower Motors
- ▶ Traction Motor Blowers

Other Rail Services



Our rail line of magnets are designed for use in the removal and clean-up of track. We supply a wide range of sizes and configurations to meet your needs. Our broad experience with all types and brands of equipment coupled with knowledge of best practices in your industry provide your best assurance of quality and value.

Suitable for: Tie Plate, Rail, Rail Spikes, Rail Wheels, Slabs, Plate, Rebar, Scrap, Spreader Beam Application

Lifting Magnet Services

- ▶ Accessories Including: Hooks, Chains, Connectors, Controls and Separators
- ▶ Authorized Hubbell Control and EDP
- ▶ Available in Various Sizes
- ▶ Conception Representative
- ▶ Class "H" Insulating Materials
- ▶ Complete Lifting Magnet Rewind & Rebuild Services for all Brands and Types
- ▶ Copper or Aluminum Windings, 75% Duty Cycle
- ▶ Custom Designed and Manufactured Spreader Beams
- ▶ Customized Pole Shoes or Lifting Ears, Etc.
- ▶ Lifting Magnets & Generators
- ▶ Lifting Magnet Operation Awareness Seminars
- ▶ Load Test Certification
- ▶ MagneTrac Asset Management
- ▶ On-Site Lifting Magnet & Accessory System Installation and Field Service
- ▶ Premier Magnet Systems Parts Department
- ▶ Railroad Duty
- ▶ Standard 230 VDC (Special Voltage Available)



Calumet Armature & Electric

Calumet Armature & Electric was founded in 1956, located in Riverdale, Illinois, a suburb south of Chicago. The Company's current business model is similar to the original business model: repair and remanufacturing of industrial electrical motors. Today Calumet Armature & Electric is engaged in the manufacture and remanufacture of large AC and DC electric motors for industrial and transit applications. The industrial applications business includes large crane motors and factory machine motors (e.g., steel mills, rolling mills, etc.). The transit business manufacturers and rebuilds traction motors/armatures for the mass transit market throughout major metropolitan cities in the United States.

Products

Manufactured items are sold as finished goods, items included are: coils that are used for specific applications that range from 200-ton brake coils to excitation for traction motors and armatures (new and complete). These items require all the engineering, drawings, stampings, etc. The Company has replicated certain OEM equipment to provide aftermarket alternatives primarily for mass transit applications.

Services

Calumet Armature manufactures and rebuilds traction motors/armatures for major mass transit authorities and industrial applications. Their services include, but are not limited to, the design, rebuild, and remanufacture of electrical apparatus in train engines, large crane motors, factory machine motors, and the like. Calumet's strength is its capability to repair/rebuild traction motors to OEM specifications, equivalent to acquiring a new motor directly from the OEM. They also manufacture completely new armatures that replace many OEM equipment, particularly in mass transit applications.

Technical Expertise

A Calumet Armature mechanic completes a thorough, four-year apprenticeship. Calumet's personnel are trained for the specific work performed. There is a high standard and expectation for technical superiority through continued training and awareness of advancements in the field.



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Service Locations

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