



***DECATUR INDUSTRIAL ELECTRIC***

***KANKAKEE INDUSTRIAL TECHNOLOGY***

***MT. VERNON ELECTRIC***

# RELIABILITY SOLUTIONS

*Keeping the Metals Industry  
Running STRONG*

Your industry is demanding; making it important to have a partner that understands those demands. At Decatur Industrial Electric, we work with steel and metal companies across the Midwest as a **Strategic Partner in Reliability Solutions** to keep you up and running as strong as the products you make. With expertise in large DC motors, remanufacturing solutions, field maintenance services, and special production equipment we can work to reduce your Total Cost of Ownership.

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# ELECTRIC MOTOR REMANUFACTURING



- ✓ Medium Voltage Large Motor Specialists
- ✓ EASA AR100 Accredited
- ✓ Factory Authorized Service Center
- ✓ Warranty Service Center
- ✓ UL Certification

Much of our work in the steel and metal industry focuses on large DC machines. Our experts have extensive experience in DC motor rewinding, reconditioning, and remanufacturing customized to your plants specifications and OEM standards.

- ▶ AC & DC motors
- ▶ Load testing
- ▶ Adjustable speed services
- ▶ Hoists & crane systems
- ▶ Epoxy & polyester resin VPI tanks
- ▶ Switchgear upgrades & retrofits
- ▶ Welders
- ▶ Generators
- ▶ Complete machine shop



**100% Solid Epoxy**

## D.I.E. ENDURALAST GLOBAL VPI *Resin Vacuum Pressure Impregnation*

Our automated global premium designed insulation system has been designed and tested to withstand a wide range of conditions, along with thermal shock and voltage stress.

- ✓ Superior environment resistance
- ✓ Better thermal conductivity
- ✓ Greater mechanical strength
- ✓ Improved voltage endurance
- ✓ Class H Insulation available

# FIELD SERVICES & TECHNICAL MAINTENANCE SOLUTIONS

Our DC expertise extends to our field service unit, who have worked in various mills providing predictive and preventative maintenance on DC motors, synchronous motors, gearboxes, and more.

We also partner with plants to provide shut-down assistance from start to finish, helping to ensure limited downtime and increased uptime.



- ▶ AC & DC motor preventative maintenance
- ▶ Vibration analysis
- ▶ On-site electrical testing (PdMA, MCE, & Baker)
- ▶ Dynamic balancing
- ▶ Crane & hoist inspections & repair
- ▶ Energy efficiency analysis
- ▶ Equipment removal, commissioning & upgrades
- ▶ Equipment troubleshooting
- ▶ Training & education
- ▶ Shut-down assistance
- ▶ Digital commutator profiler
- ▶ Laser alignment
- ▶ Asset Management Program
  - Storage & maintenance

## MILL MOTOR EXPERIENCE

- ✓ Cold strip mill
- ✓ Coiler
- ✓ Finishing mill
- ✓ Hot mill
- ✓ Mandrell mill
- ✓ Roughing mill
- ✓ Run-out tables
- ✓ Wire mill

# MECHANICAL EQUIPMENT & REPAIRS

The specialized equipment found in steel and metal mills needs gearboxes for quality production of your product. As one of only ten Falk Select Partners in North America, we provide original Falk authentic OE parts and repair service support to assure better quality repairs.

## MECHANICAL SOLUTIONS:

- ✓ Gear reducers
- ✓ Brakes & clutches
- ✓ Fan rebuilding & balancing
- ✓ Vibrators / shakers
- ✓ Custom machining



# MACHINING & SPECIAL PRODUCTION EQUIPMENT

Our complete machine shop along with welding, plating, and fabrication capabilities allow us to offer customized special production equipment or upgrades and modifications to existing equipment.

## MACHINING CAPABILITIES:

- ▶ 25,000 lb. precision dynamic balancing
- ▶ 40-ton crane bay
- ▶ 200-ton press
- ▶ 60-ton pullers
- ▶ Precision shaft grinding
- ▶ Raw metal stock inventory
- ▶ Large ovens
- ▶ Metalizing
- ▶ Vertical boring mill
- ▶ Milling machines
- ▶ Horizontal lathes
- ▶ Welding

## VALUE ADDED SERVICES

- ✓ Customized failure analysis
- ✓ Customized repair quotation
- ✓ Asset storage & maintenance
- ✓ Repairs performed in-house to assure quality
- ✓ Repairs performed to manufacturers specifications or as requested
- ✓ Formal quality assurance program

## PARTNERS WE REPRESENT

Our vendor partners serve the steel and metal industry globally.

## SIEMENS

- ▶ #1 Midwest Distributor & Service Center
- ▶ Largest NEMA inventory in the U.S.
- ▶ Factory Super-Modification Center



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*Strategic Partners in Reliability Solutions*

