

## AUTHORIZED DISTRIBUTOR

“Service is our Product”



Apex is an Authorized Distributor for many Major Manufacturers - so whether it is for repair or replacement equipment - We offer the Best Pricing Available

### Product Authorization

- Bearings
- Gearboxes
- Seals
- Motors
- Couplings
- Variable Frequency Drives
- Clutches & Brakes



24 Hour Emergency Service Available



Download our app



Visit our website

[www.apexindustrialautomation.com/schedule-repair-pickup/](http://www.apexindustrialautomation.com/schedule-repair-pickup/)

or

Call 866-924-2808

### LOCATIONS

#### MONTGOMERY

2000 Albright Road  
Montgomery, IL 60538  
630-969-7890

#### PEORIA

3840 N Main Street  
East Peoria, IL 61611  
309-673-8171

#### STEGER

3126 Union Avenue  
Steger, IL 60475  
708-754-1230

#### DOWNERS GROVE

5161 Thatcher Road  
Downers Grove, IL 60515  
630-969-7890



### REPAIR CAPABILITIES

AC/DC Motors • Pumps & Blowers • Generators • Servos • Gearboxes  
Electric Board Repair • Encoders • Machining • Explosion Proof (UL Certified)  
Field Services • Motor Maintenance & Management

Ph 866-924-2808 [repair@apexindustrialautomation.com](mailto:repair@apexindustrialautomation.com)



[sales@apexindustrialautomation.com](mailto:sales@apexindustrialautomation.com)  
[www.apexindustrialautomation.com](http://www.apexindustrialautomation.com)  
[www.industrialmotor.com](http://www.industrialmotor.com)



# Count on Apex to Repair & Rebuild your Equipment to it's ORIGINAL Specs, Precision & Performance

## Why Apex is the Right Choice...

- Industry Leading Test Equipment
- Controlled Manufacturing Process
- Class N Insulation System
- Manufacturer Specified Replacement Parts
- Experienced Committed Staff
- Cost Competitive
- 24 Hour Emergency Service
- Top Quality, New & Rebuilt Motors in Stock and ready for same day delivery

## Field Services

Apex strives to continuously raise the bar through Engineering Innovation and Value-Added Field Services. Our skilled staff is available to your company 24 hours/365 days a year.

- Drive System Installation & Start-up
- Panel Design, Build & Installation
- Laser Alignment
- Electrical & Mechanical Installation
- Vibration Analysis
- Motor Electrical Testing
- Infrared Thermography
- Shift Current Detection



## Industry Leading Test Equipment

Apex is Committed to Reinvest in the LATEST Equipment & Technology Available

**SKF BAKER Advanced Winding Analyzer** – documents your repair from start to finish

- Surge Test
- Hi Pot Megger Test
- Resistance Test
- Polization Index
- Printed Documentation
- Repeatable Maintenance Testing (historical life-long repair data stored)



**LEXSECO – Coreloss Tester**

- Coreloss test any specialty rating and all standard ratings above 20hp



**DYNAMIC BALANCER – Balancer Tester**

- API Balancing Standard – ISO-1940 G2.5
- 5,000 lb Dynamic Balancing Capabilities
- All Motors 5hp & Above are balanced to 1 mil
- DBCE101 Computerized Electronic System
- Color Reporting Capabilities



**QUAD PLUS – Load Center Tester**

- AC/DC No Load Diagnostics
- Progressive Start Up

**INDUCTOR – Dynamometer Load Tester**

- Fractional to 100 HP



## Controlled Manufacturing Process

Apex follows a RIGID set of Controls in every repair that MEET or EXCEED MFR Specifications

**CONTROLLED BURNOUT OVENS**

Our Equipment is temperature controlled to provide a tightly regulated control of (+/-5) with a maximum of 680 degrees F

- Protection against coreloss and intermedial lamination breakdown
- Allows for effective burnout of both organic and inorganic electrical steel without impacting motor efficiency
- Digital Chart Recording to ensure temperature control

**CONTROLLED BAKE OVENS**

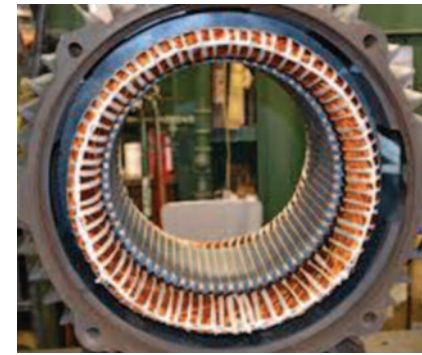
- Temperature and Time controlled

**EASA Certified WINDING TECHNIQUE**

- Automated Winding Equipment
- Documented Process on all Winding Data
- Factory Specific Coil Head Length & Circular Mills
- Expert Winding Staff with over 60 combined years of experience
- Highest U.L. Standard – Class N Insulation System



**UL Certified Explosion Proof Motor Repair Services**



## Class N Insulation System

Apex is PROUD to note that the materials used in every repair meet the HIGHEST U.L. Insulation Index Standards

U.L. Standard 1446 Insulation Index		
Class	Degrees	Temp Rise – Ambient – Hot Spot Allowance
Class A	105°	60+40+10
Class B	130°	80+40+10
Class F	155°	105+40+10
Class H	180°	125+40+10
<b>*Class N</b>	<b>200°</b>	<b>150+40+10 UL E87039</b>

**MAGNET WIRE – REA Pulse Shield Severe Duty**

- Up to 400x the life protection against transient spikes
- 25-30% higher bond strength to Polyamideimide Top Coat
- Only U.S. Owned Major Magnet Wire Co

**LEAD WIRE – NEMA Grade A**

- Abrasion and cut-through resistant
- Solvent, Fuels and Oil Resistant
- Negative 70C to 220C Operating Temp.
- High dielectric protection to 5,000 volt minimum
- Complies with UL's VW-1 flame test

**VARNISH – Elantas B-535 Series**

- Outstanding thermal, electrical and mechanical properties
- 1.5 – 3 hour cure at 135 degrees C (275 degrees F)

**INSULATING FILMS & PAPERS – Type 410 Nomex**

- 20mil – 16,000 dielectric breakdown volts



## Quality Replacements

Apex assures that we will rebuild/repair your equipment to it's original specifications through the use of only high quality/ premium parts and material

- Premium Bearings – NTN/SKF/NACHI/KOYO
- Seals – CHICAGO RAWHIDE/DICHTOMATIK
- Grease – LUBRIPLATE SYN EMB High Performance Synthetic Grade
- Paint – RUST-OLEUM High Solids Base/Rust Inhibitor



## Experienced Committed Staff

Even with HIGH TECH Equipment & SUPERIOR EXPECTATIONS, it is our SKILLED & EXPERIENCED Staff that Rebuilds your Machines to it's ORIGINAL Performance

**Tom Fick**

Customer Service, Diagnostics, Senior Technician – 38 yrs

**Meghan Mullen**

Shop Manager – 15 yrs

**Tom Bohr**

Winder, Senior Technician – 36 yrs

**Bill Homeier**

Senior Technician, Pump Specialist – 32 yrs

**Rob Smith**

Senior Technician, Single Phase Specialist – 17 yrs

**Ed Lichter**

Senior Technician, Servo Specialist – 16 yrs  
**Scott Lavoie**

Technician, Gearbox Specialist – 7 yrs

**Gary Arthurs**

AC Motor Specialist – 4 yrs

**Robert Diaz**

Technician – 4 yrs

**Jacob Morales**

Technician – 2 yrs



## Cost Competitive

Apex Completes all Remanufacturing In House through our FULL-SERVICE Machine Shop

**Machining Capabilities**

- Keying
- Fabrication
- Shafting
- Machine & Sleeve
- Welding
- Reboring

**Other In-House Services**

- Sandblasting
- Steam Cleaning

## Authorized Repair Center

- Baldor
- General Electric
- ABB
- Dayton
- Weg
- Marathon
- US Electric
- Toshiba
- Leeson