



What We Do

In House Services

- AC and DC Electric Motor Repair
- Stator Rewinding with Class H Insulation and Inverter Duty Magnet Wire; (1) Computerized and (2) Standard Coil Winding Machines
- Pump Repair
- Gearbox Repair
- Roll Repair
- Fan/Blower Assembly Repair
- Shaft Repair: Eutectic Spray Powder System, Custom Welding and Shaft Stubbing, Custom Shaft Fabrication
- Custom Machine Shop Services and Repair
- Custom Welding and Fabrication
- Custom Dynamic Balancing

New Motor / Gearbox Sales Distribution

- WEG
- TECO-Westinghouse / Motovario
- Siemens
- Nidec / US Motors
- Sterling
- Marathon
- SEW Eurodrive
- And Many Others

Authorized Service Repair Center

- TECO-Westinghouse
- WEG
- Siemens
- US Motors
- Leeson
- Sterling
- Marathon
- ABB / Baldor / Reliance

Customer On-Site Services

- Predictive Maintenance
- Laser Alignment
- Custom Field Balancing
- General Mechanical and Electrical Repairs
- Electronics Troubleshooting and Control Repair
- System Upgrades
- Equipment Removal and Installation
- Complete Electrical Testing
- Power Monitoring
- Wireless Vibration and Condition Monitoring



How We Do It

Electrical Test Stations

- Phenix High Power Test Set – Model MTS 1000R 800
1000 KVA; 7,200 VAC Maximum AC Voltage; 1200 Max Amperage @ 460 VAC;
Maximum DC ARM V: 750, 1067 A;
Maximum DC FLD V: 800, 125 A;
Full Load Currents: 1200 A AC @ 480 VAC; 1067 A DC @ 750 VDC;
Winding and Bearing Temperature Monitoring during Run Testing.
- Phenix High Power Test Set – Model MTS 200R 150
200 KVA; 600 VAC Maximum AC Voltage; 192 Max Amperage @ 460 VAC, 400 Max Amperage @ 120 VAC;
Maximum DC ARM V: 550, 270 A;
Maximum DC FLD V: 300, 10 A
- BEM Electrical Apparatus Test Center
60 to 460 VAC; 150 Max Amperage
0 to 300 VDC; 10 Max Amperage

Machine Shop Equipment

- Lathe 63" (76" Swing) X 19' Between Centers
- Lathe 17" Swing X 60" Between Centers
- Lathe 30" Swing X 196" Between Centers
- Horizontal Boring Mill 55" X 47" Rotary Table; 48" Vertical Travel, X = 56", Y = 42"
- Vertical Lathe 66" Swing, 56" Table Dia., 5' Height
- (2) Bridgeport Mills
- Key Seater – 1 ¼" Max
- Surface Grinder
- Portable Key Cutter
- Miller Millermatic 350P MIG Welder
- Miller Dimension 650 Multi-Purpose Welder
- Hypertherm Powermax 1250 Plasma Cutter G3 Series, Max Cut – 1 ¼" Thick Steel (Carbon)

Crane Capabilities

- Bay 1 – (1) 10 Ton Bridge Crane with (2) 5 Ton Cranes, All 21' Lift
- Bay 2 – (1) 25 Ton Crane with 22'-4" Lift, (1) 5 Ton Crane with 21' Lift
- Bay 3 – (2) 5 Ton Cranes with 21' Lift
- Rewind – (1) 10 Ton Crane with 18'-2" Lift, (1) 5 Ton Crane with 21' Lift
- Stripping Room – (1) 3 Ton Crane with 13'-8" Lift



Cleaning Equipment

- MART Tornado Parts Washer
- Pressure Washing for Windings and Large Parts
- Media Blasting – Corn Cob, Walnut Shell, Glass Bead, and Aluminum Oxide
- CryoGen Dry Ice Blasting

Burn Out Ovens

- Steelman 8' x 9' x 8'
- Steelman 43" x 42" x 36"
- Temperature Controlled with Chart Recording

Curing Ovens

- Steelman 8' x 12' x 10'
- Steelman 4' x 4' x 4'
- Temperature Controlled with Chart Recording

Bake Oven

- Steelman 8' x 10' x 8'
- Temperature Controlled with Chart Recording

VPI Tank

- 8' x 8' x 8' VPI System using Epoxy, Solventless Thixotropic Resin VR74035
- 38" x 38" x 36" Dip Tank using Elanguard EN59-60MR

Thermal Imaging with Recording

- FLIR T530

Ultrasonic Testing

- Ludeca SDT 200

Resistance Testing

- AEMC 5600 Micro Ohmmeter
- Baker AWA IV, 12kV
- Electrom Winding Analyzer iTig III

Megger Testing

- Fluke 1507 Insulation Tester 1000V
- Fluke 1550C / 1555 5kV



- Baker AWA IV, 12kV
- Electrom Winding Analyzer iTig III

Surge Testing

- Baker AWA IV, 12kV
- Electrom Winding Analyzer iTig I and iTig III

DC Hipot Testing

- Baker AWA IV, 12kV
- SKF Baker PP30, 30kV
- Hipotronics HV10, 10kV
- Phenix 470-5, 70kV

AC Hipot Testing

- Phenix AC Hipot Model 6A510-20, 10kV 2A 20kVA

Balancing Equipment

- Dyna-Bal 7' Swing 25K Lbs, Soft Bearing Machine
- Dyna-Bal 6' Swing 10K Lbs, Soft Bearing Machine
- Dyna-Bal 15" Swing 75 Lbs, Soft Bearing Machine

Stator Core Testing

- Phenix CL60 Computerized Core Loss Tester

Rotor Testing

- 1Ø Rotor Testing
- Magnetic Paper Growler Testing
- Current Signature Analysis(CSA)
- High Current Rotor Testing
- Rotor Influence Check(RIC Testing)

Vibration and Data Collection

- Comtest Vb7 Data Collectors (10 Units)

Dynamometer Testing

- 900 HP @ 3600 RPM Dynamometer
- 100 HP @ 3600 RPM Dynamometer

Transportation

- 6 Vehicles, 39,820 LB Payload



Motor Technology, Inc.

515 Willow Springs Lane, York, PA 17406 | 800.632.9060 | motortechnologyinc.com

- Licensed in Continental US, DOT # 370028

Industry Certifications

- EASA AR-100 Accredited Service Center
- SKF Certified Bearing Specialists
- Level 1 Vibration Specialists
- Timken Bearing Certified

Equipment Certifications

- All Mechanical and Electrical Test Equipment is calibrated and Certified annually.