



INDUSTRIES SERVED

Cement
Compression
Dredging
Drilling
Marine
Mining
Petrochemical
Plastics
Recycling
Rubber
Transportation



Gulf Electroquip specializes in new, remanufactured and repaired AC and DC motors and generators. All our engineering is performed at our facility making sure that your exact specifications are met. We manage one of the largest motor and generator parts inventories with distribution support in the country.



713.675.2525 | sales@gulfelectroquip.com | GULFELECTROQUIP.COM



PRODUCT AND SERVICE CAPABILITIES

COMPLETE MOTOR & GENERATOR REPAIR CENTER | ONE OF THE LARGEST HEAVY MOTOR AND GENERATOR PARTS DISTRIBUTION SYSTEMS | COMPLETE MOTOR AND GENERATOR DIAGNOSTIC AND TESTING SERVICES | QUALITY BUILT NEW 400 HP-1500 HP SUPER DUTY MOTORS



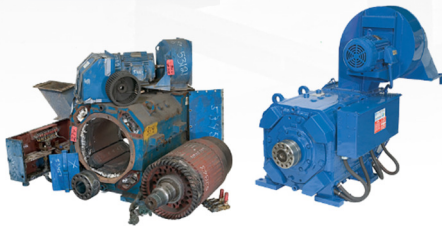
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GULF ELECTROQUIP REPAIRS & MANUFACTURES ELECTRIC MOTORS & GENERATORS

REPAIR CENTER

- Cleaning
- Baking
- Mechanical Inspection
- Electrical inspection
- Failure Analysis
- Mechanical Repair
- Replacement
 - Shafts - CNC Alloy
 - Bearings
 - Rotors
 - Stators
- Balancing
- Winding
 - Form Coils
 - Random Coils
 - Medium Voltage
 - AC Rotor Barring
 - AC Wound Rotor
 - AC Generator Rotor
 - DC Rotor
 - DC Fields
 - Coil Supply
 - Exciter Rotors
 - Exciter Stators
- Encapsulation:
 - VPI Class H
 - Dip Class H
- Enclosures
 - Repair/Replace
 - Fans
 - Covers
 - Junction Boxes
- Testing (see Test Lab)



Before After

TECHNOLOGY



Staff of Degreed Engineers:

- EE & ME
- Engineering Design
 - Complete New Machines
 - Upgraded HP, Voltage, encl.
 - Specification
 - Certification
 - Troubleshooting
 - Vibration Analysis
 - Thermal Analysis
 - Training
 - Maintenance
 - Disaster Relief Planning
 - 3rd Party / Failure Analysis

CAD/CAM

- 3D Design
- FEA - Finite Element Analysis
- AutoCAD to CNC Machine

Customer Inventory

Storage

- Emergency Spares
- Climate Controlled
- Maintained
- Periodic Proof Testing
- Complete Machines
- Specialty Parts
- On-site 300,000 Square Feet
- 24 / 7 Access

Vendor Managed Inventory

Manuals

Testing

Consultation

Safety



Before

IN HOUSE EQUIPMENT

CNC Machining

- Shafts
- Endbells
- Seals
- Parts

CNC Milling

- Endbells
- Rotor Bars
- Frames

CNC Cutting

- Laser
- Plasma

CNC Balancing

- Hard Bearing to 10,000 lbs.
- Soft Bearing to 50,000 lbs.



CNC Cleaning

- Cleaning Machine
- Burn Out Oven

CNC Turn & Undercut DC Arm

CNC Electrical Testing

- Core Loss
- Resistance, Inductance
- High Potential/Surge Testing

CNC Test Lab (see test)

Manual Machining

- 10 Lathes (s, m, l)
- 3 Vertical mills (m, l)
- 3 Horizontal mills (m, l)

2 Baking Ovens

Water Stripping of Windings



After



Vacuum Pressure Impregnation

Metal Fabrication

- Heavy Steel
- Sheet Metal
- Rolling
- Tig, Mig & Stick Welding
- Custom Junction Boxes
- Custom Components



TEST LAB

AC and DC Equipment:

- Motors
- Generators
- Drives
- Transformers
- Drive Lines (String Testing)

Static and No Load

- AC to 30,000HP/25,000kw
- DC to 20,000HP/15,000kw

Full Load Testing

- AC to 6000 HP
- DC to 6500 HP

Dynamometer Load

- to 25,000 ft./lbs.
- to 5,000 RPM

Orientation

- Horizontal
- Vertical

Computer Recording

- Voltages
- Currents
- HP/KW
- Efficiency
- Speed



- Vibration
- Spectrum
- RTDs
- Thermal Imaging

Sinusoidal and VFD

Witness

- Worldwide Remote Via Internet
- Client
- 3rd Party Certification

Static Testing

- Surge
- High Potential
- Polarization Index
- DLRO
- Bar to Bar
- Dimensional

Regulatory | Certification



PRODUCTS

New, Repair & Remanufactured

1. Motors & Generators:

- AC Induction Motors
- AC VFD Motors
- AC Wound Rotor Motors
- AC Induction Generator
- AC Synchronous Motor
- AC Synchronous Generator
- DC Motors
- DC Generators

Power:

- AC: to 30,000+ HP/ 25,000+ KW
- DC: to 10,000+ HP/ 7,000+ KW

Voltages:

- AC: 100 - 13,800 V
- DC: 100 - 1,000 VDC

Speed:

- AC: to 7000 RPM
- DC: to 3000 RPM

Frequency:

- 50, 60 Hz and Variable

Enclosure:

- Open to XP classification

Orientation:

- Horizontal, Vertical & Tilt

Bearings:

- Sleeve
- Ball & Roller
- Insulated Through High Capacity Vertical Thrust

Shaft:

- Single, Double & Auxiliaries
- High Alloy & Standard Steels

Cooling:

- Air and Water Cooled
- Self, Forced and Non-ventilated

Seals:

- Standard Through High Spec

Excitation:

- Brush and Brushless

2. Patented Cleaning Motor Blowers

- Filter-less Cleaning
- Double Cycle
- Quiet to OSHA
- For Motors and Generators
- Custom and OEM Designs

3. Ventilation Blowers

- UL Explosion Proof Certified
- XP Classified Area

4. Junction Boxes

5. Quick Connects

6. Custom Spec Products

7. Parts In Stock