



**DREISILKER**  
WIND SOLUTIONS



Down  
Tower  
ESA\*



Down Tower



Cost Effective  
Solution



Downtime  
Elimination



Multiple Turbine  
Testing

electrical signature analysis\*

# Down Tower ESA

patent pending\*



Electrical Signature Analysis\* from Dreisilker is the most cost effective solution for increasing reliability and reducing Turbine Downtime.

With over 60 years of rotation machinery expertise Dreisilker goes beyond the basics to determine the root cause for any issues that exist. Our experts then develop a custom solution getting your tower back to optimal performance.

- ▶ Base to Tower testing through stator for most systems\*
- ▶ Tests generator through the gearbox including the coupling
- ▶ Data collection in minutes
- ▶ DEM personnel OR your staff collects data
- ▶ Concurrent multiple tower testing
- ▶ Least intrusive/most cost effective testing option
- ▶ Trend analysis and fault detection possible regardless of system speed and load changes
- ▶ Minimum Downtime
- ▶ Safer Testing - No need to climb tower



- **REDUCE** Your Maintenance Costs
- **INCREASE** your Turbine Availability
- **RECEIVE** Expert Data Analysis
- **MAXIMIZES** Testing Efficiency

\*Exclusive Patent Pending process in association with MotorDoc LLC

\*\* Limited to systems <700 VAC or CTs and PTs are available at tower base.



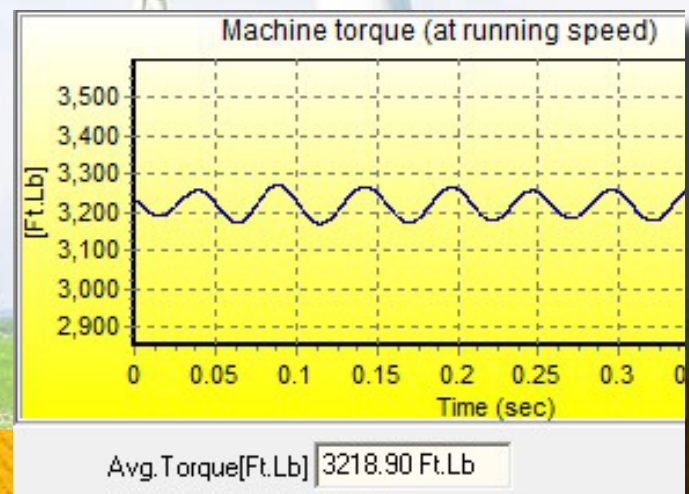
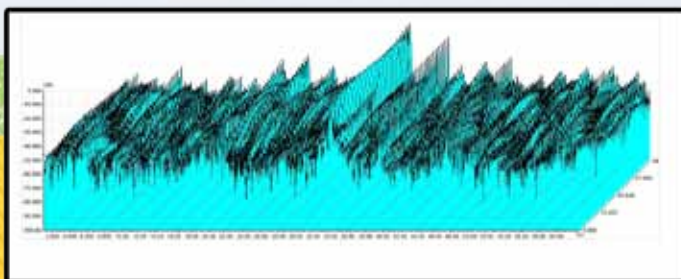
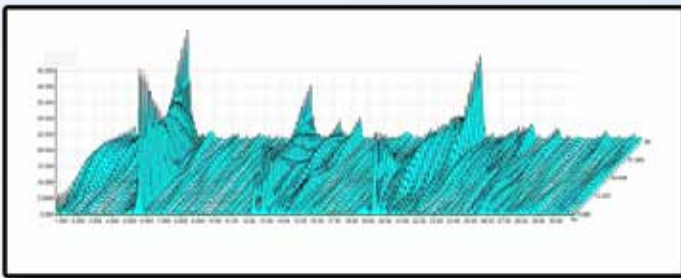
# Testing



It's one thing to test, or even know what tests to execute, in order to determine the status of your Wind Turbines. But...it's another thing to interpret test data and provide accurate and reliable solutions. Our Electrical Signature Analysis evaluates the generator and a majority of the powertrain through the gearbox all safely downtower.

## Expert Data Analysis

Dreisilker's Wind Solutions experts utilize our proprietary systems to analyze all testing data. With Dreisilker you'll receive a full detailed analysis that will help establish a per unit course of action while saving time, saving money and with minimal downtime.



# Assuring Uptime for 60 years

## Expert Testing, Data Review and Forensic Analysis

Dreisilker focuses on the "WHY" before we execute any repair. Testing and **Expert Data Interpretation** help us understand the root cause for a motor's behavior. If a repair is necessary a Forensic Analysis can be performed to determine the proper strategy

Dreisilker is a leader in the testing, forensic diagnosis and re-manufacturing of generators, electric motors and related rotating machinery.

## Generator Management

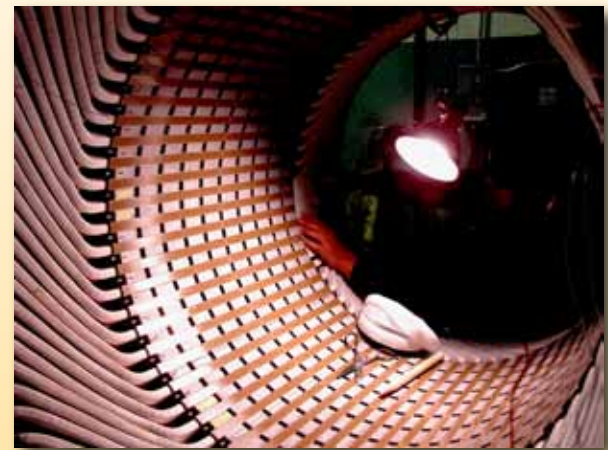
Dreisilker provides complete generator solutions for commercial, industrial and municipal customers that require reliable and consistent generator operation. Our area of expertise spans from the distribution of new electric motors, parts, accessories and controls to the turn-key maintenance of generators as well as electric motors, and pumps.

## Generator Repair

Dreisilker's Industry Exclusive **Motor-Safe Repair™** method uses non-burnout stripping, accurate and precise rewinding, advanced varnishing methods, dynamic balancing, and thorough testing. Returning generators back to OEM specifications and utilizing the correct materials results in **Improved Reliability, Increased Up-Time and Energy Savings.**

**Generator Storage available** - Our climate controlled storage facility allows you to have piece of mind in the instance of an emergency. We can process a shipment to your location in the event of an urgent need.

**Emergency Service Program** - Dreisilker offers 24/7 Emergency field service, testing and shop repairs.



**INCREASE UP-TIME • IMPROVE RELIABILITY • SAVE ENERGY**

**Chicago • Atlanta • Nationwide**  
**dreisilker.com 800.922.1882**