

# Thermo Scientific Rotor Safety Program

► *Improve lab safety* ► *Maximize your investment* ► *Extend equipment life*



Centrifuge rotor maintenance is critical to the safety of your lab. Leveraging more than 100 years of experience and leadership in centrifugation, our support specialists work in partnership with you to maximize your investment through preventive care and safe rotor use.

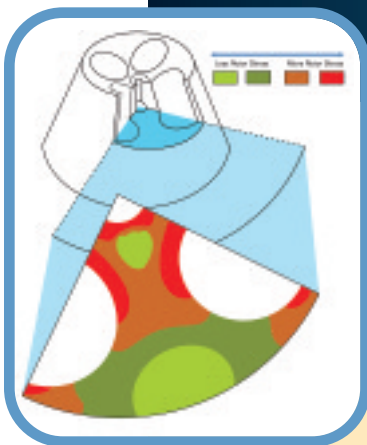
## **Schedule a clinic at your facility to**

- Improve laboratory safety by preventing rotor failure
- Discover good laboratory practices such as proper rotor care and handling
- Maximize centrifuge performance with recommendations based upon current rotor conditions

Thermo Scientific product representatives will perform a thorough examination of metal rotors, scoping all rotor cavities for signs of wear and deterioration, and provide a comprehensive report for each rotor inspected.

**Ensure the longevity of your investment and the safety of your workplace.**

**Schedule a clinic today!**



## Leading Causes of Rotor Failure

### METAL FATIGUE AND AGE

*Localized structural damage generated from repeat cycles, causing the metal structure to stretch and change in size.*



### STRESS CORROSION

*Attack on metal surfaces by moisture, chemicals, or alkaline solutions in combination with force or tensile stress from operation of the rotor at speed.*



### DAMAGE TO ANODIZED COATINGS

*Handling, friction generated at high velocity, and corrosion weakening the rotor structure.*



### WEAR AND TEAR OF CRITICAL MECHANICAL COMPONENTS

*Damage to contact points, such as threaded hubs or screws, leading to an improperly secured rotor, unsafe for operation.*

### IMPROPER CARE AND HANDLING

*Disregard of the operational specifications published in the rotor manual, resulting in misuse.*

## Advances in Rotor Design Thermo Scientific Fiberlite Rotors

### CORROSION AND FATIGUE-RESISTANT

*Carbon fiber-reinforced composite rotors are corrosion-resistant, eliminating an ever-present hazard from the exposure of moisture, chemicals, or alkaline solutions.*

### UNEQUALED DURABILITY

*Combined with exceptional resistance to fatigue, these rotors protect against misuse and harm, yet carbon fiber rotors are repairable if damaged.*

### SECURE INVESTMENT

*Backed by the most comprehensive warranty coverage available.*



Contact your sales representative  
or call **(866) 984-3766**  
to arrange an on-site clinic today  
and learn more about advances  
in rotor design!

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