

## **FAN REPAIR, REBUILD & REDESIGN SERVICES**



### ***Trapped in a fan repair nightmare?***

When you have fan problems you want someone who can quickly assess the situation, determine what needs to be done, and do it—fast!

### **Repair/Rebuild Solutions**

For repair, rebuilding, replacement or complete redesign of your fan system, look to the quality leader, Flakt Woods Fan Services.

**FlaktWoods**

## **Look to Flakt Woods for Fan Repair, Rebuild, Redesign or Replacement.**

### **Full Source, Full Service**

Flakt Woods was formed in 2002 when companies from over 30 countries came together to form what is now the largest corporation in the world supplying equipment for air moving and control.

We manufacture a full range of fans, from 6" diameter to over 160" diameter, and for operating temperatures from ambient to 2,000°F.

We also supply replacement parts for fans that were not originally supplied by Flakt Woods.

### **The Right Experience**

Whether your fan was originally manufactured by Flakt Woods, or by someone else, our 24-hour Emergency Repair Team can repair fans in our shop or your facility. With more than 100 years of fan experience, we have the products and experience to address all of your air moving problems.

Let Flakt Woods end the Nightmare.

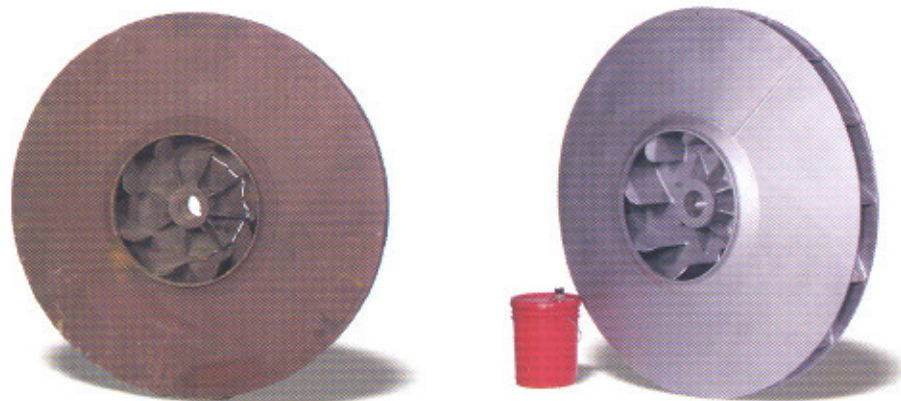


*A failure of your fan can be a nightmare.*

*In today's high-tech manufacturing environment, the process fan is a vital component. When your fan is down, production comes to a sudden stop.*

*Flakt Woods understands that downtime is lost time, lost production, and lost profits. Our 24 hour Emergency Repair Team is ready to get you back in business.*

*Nightmare's over.*



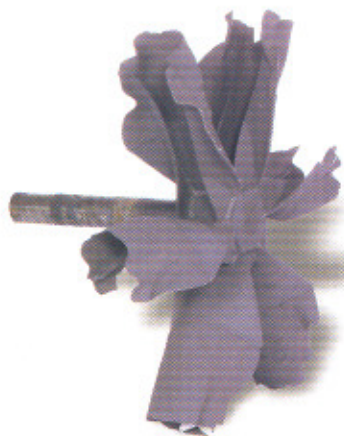
## **Better than New!**

*The original manufacturer of this fan wheel used unsound design practices that caused this 60" diameter forced draft fan wheel to crack just a few months after installation.*

*The engineering staff at Flakt Woods quickly recognized the design flaws, and designed a replacement wheel that was better than new. The 24-hour Emergency Repair Team had the wheel back in operation just days after the initial failure.*

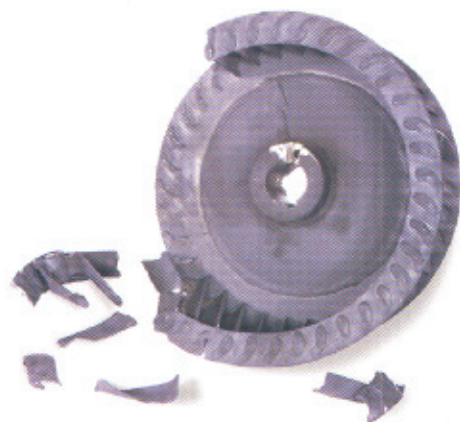
## GALLERY OF MISTREATMENT

**R**  
REPAIR



### Too Much Heat

This is what happens when a fan designed for 1,000°F is operated at 1,500°F. The Engineers at Flakt Woods designed a replacement wheel that could handle the high temperature requirements (standard designs are able to handle operating temperatures as high as 2,000°F). The 24-hour Emergency Repair Team had the wheel completed and back in operation 48 hours later.

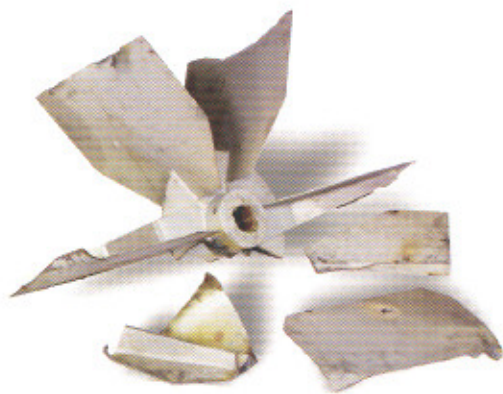


### Too Much Speed

A dangerous combination of high temperature and high speed proved too much for this fan to handle. High temperature fans are part of the Flakt Woods heritage (standard designs are able to handle operating temperatures as high as 2,000°F.) Flakt Woods knew the right materials and construction to provide the aerodynamic performance the customer required.

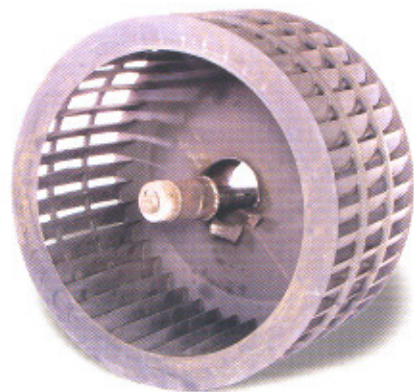
**R**  
REBUILD

**R**  
REDESIGN



### Too Much Metal

No one was hurt when a 25-pound piece of steel fell through the ductwork into this fan. Flakt Woods' 24 Hour Emergency Repair Team had a replacement wheel to the customer within 48 hours of the crash.



### Just Too Much

Years of fatigue and poor bearing maintenance caused vibration that finally caused this wheel to break free of the shaft. The damaged components were replaced and the expensive components were reused. This quick repair saved time and money.

**R**  
REPLACEMENT

# **Flakt Woods Leads the Way with More than One-Hundred Years of Experience in Engineering and Technical Innovation.**

## **A History of Excellence**

Flakt Woods is pleased to provide over one-hundred years of excellence in the design and engineering of industrial fans—fans which have set the standard, by which other fans are measured.

As a charter member of AMCA (Air Movement and Control Association) we have helped to establish many of the standards used throughout the industry today. Our Research and Design Team works to AMCA certified specifications to research and design products today and for the future.

## **Superb Quality**

Every fan supplied by Flakt Woods is thoroughly inspected and tested. This quality assurance is integral to our leadership in the industry. The Quality Assurance Team works independently from our manufacturing group to insure autonomy.

Non-destructive (NDE) test procedures such as magnetic particle, radiographic and ultrasonic examination are used to ensure the quality of the welds.

## **We Can Do It!**

If your present system needs to be modified or if you're looking to design a new product or project, we can help.

We have worked with many OEMs and research groups to design new equipment for customers on the leading edge of energy research, oil refining and other products and processes to meet the needs of industry in the future. Let us design one for you.



*Size #41 RF2, designed for operating at 1,350°F gets a final inspection check before shipping.*

## **Flakt Woods**

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