

TECHNOS Monthly

Fan Engineering, Manufacturing, Repair, and Installation.

TECHNOS: Your Single Source Supplier!

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TECHNOS *HOT TIP #19*

Equipment Inspection Checklist

Using an Equipment Inspection Checklist during maintenance checks can be a valuable tool for every technician. These checklists can provide information on specific machines and can also list step-by-step procedures which can help ensure that all critical parameters are measured and validated. Contact Technos for a sample inspection checklist.



Technos Field Repair Saves Customer Money \$\$\$

One of Technos' many specialties is performing preventive maintenance on fan bearings. An Arkansas facility recently put us to the task. Our field crews performed a complete inspection on the bearings and couplings for seven critical fans during the shutdown. The bearing inspection included measuring for correct tolerances, checking for damage or wear, cleaning, and re-filling with OEM specified lubrication. Coupling inspection was also performed, with a laser alignment completing the assignment. While onsite, our crew also changed out an ID fan and installed new fan bearings. After installing the fan, the service technicians checked for proper balance and submitted final inspection reports to the customer.



NEWSFLASH: We're reducing your costs on all field services!

Starting July 1st, Technos is reducing all field service pricing by half on Technos service truck mileage until the end of the year. We will only include truck mileage pricing for one way and this will help reduce costs on all of your future field work. Cutting costs is extremely critical to all companies these days and Technos is doing everything possible to help our customers save money. Ask us for our new Field Labor Rate Sheet to see how much money we can save for you!

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ENGINEERING SUPPORT

Our Engineering Department has the expertise to perform the most thorough analysis using cutting-edge computer technology.

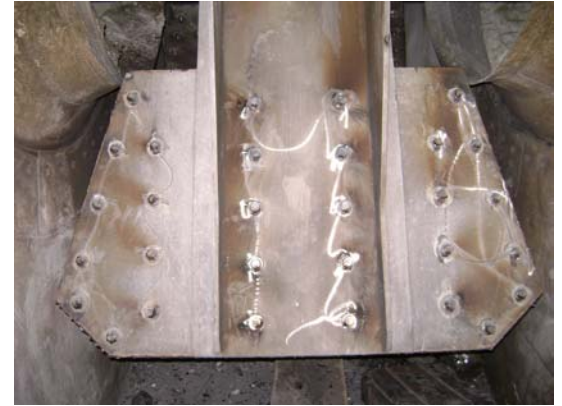
- Natural Frequency Testing
- Finite Element Analysis (FEA)
- Shaft Critical Prediction
- Wear Control Improvements
- Metallurgical Analysis

FIELD SERVICE DEPARTMENT

- Emergency Repairs
- Laser Alignment
- Field Balancing
- Wheel Replacement
- Bearing Repairs
- Epoxy Grouting
- Liner Installation

PRODUCTS AVAILABLE

- Complete Custom Fan Assemblies
- Chrome Carbide Liners
- Dampers
- Expansion Joints
- OEM Projects
- Fan Housings
- Spare Wheels
- Screw Conveyors
- Coal Hoppers
- Shaft Seals
- Separators
- Shafts
- Classifiers
- Ducting



Remove and Replace SS Blade Liners Onsite? – No Problem!

Our Technos field service crews show up on time with the right equipment to safely complete each job. The stainless steel liners on this Acid Gas fan wheel were removed and replaced with Technos supplied parts and seal welded while the fan was still in the housing. By not having to remove the rotating element, this field repair saved the customer valuable time and money. Working 12-hour days, five Technos service technicians finished re-lining the blades on two acid gas fans in 7 days. After the liners were installed, the fans were checked for balance and the process was put back into operation.

Technos Capabilities

In Texas, Technos Corporation Fan Services is located on 10 acres five miles northeast of San Antonio with two large state-of-the-art facilities fully equipped with multiple welding machines, CNC cutting machine, positioners, lathes, press brake, mills, and precision balancing equipment. **Our Technos facility in Alabama is located in Bessemer and is equipped to handle all of your fan manufacturing and repair needs as well.**

Technos Corporation Fan Services has the expertise to design, fabricate, and install all types of industrial fans; including wheels, shafts, housings, dampers, expansion joints, and wear-resistant liners specifically designed for your requirements.

Technos Corporation Fan Services field crews are full-time employees certified and trained in all phases of fan repairs and safe installation. We respond to your emergencies and work safely to complete the job. Technos Corporation Fan Services never uses any temporary laborers.

Technos Corporation Fan Services offers the most competitive in-shop and field service rates in this business and we are ready to fulfill all of your industrial fan needs, 24 hours a day, and 7 days a week.



From the **TECHNOS** tailgate: *Iron Skillet Corn Bread*

Pre-heat oven to 450 degrees, pour 3 tablespoons corn oil in a 12" cast iron skillet and place in oven. In one bowl mix 3 cups buttermilk, 3 beaten eggs, and 3 tablespoons corn oil. In another bowl, mix 3 cups cornmeal, 1 tablespoon baking powder, 1-1/2 teaspoons baking soda, and 1 tablespoon salt. Sprinkle 3 tablespoons corn meal in bottom of hot skillet. Mix both bowls of ingredients together and pour into hot skillet. Bake for 20 minutes. **Now it's corn bread time!**