

TECHNOS Monthly

Fan Engineering, Manufacturing, Repair, and Installation.

TECHNOS: Your Single Source Supplier!

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TECHNOS *HOT TIP #22*

Test and Balance (T&B)

The test and balance process (T&B) can determine if the fan system is delivering the design air quantities at the required conditions and if the fan is operating according to the manufacturer's specifications. The methods used to take the measurements required for test and balance work are complex and subjective, and the need for a technician unrelated to the installing contractor is necessary. The instrumentation used to take measurements is extremely sensitive and expensive and must be calibrated by a laboratory on a regular basis. Contact Technos with further questions.



Technos ships DWDI Fan Housing to Power Plant

Technos Corporation recently delivered a complete new housing for a reheat fan to a southern power plant. The fan housing is for a 68.5" DWDI fan moving 228,000 CFM of ambient air through steam coils to help maintain a specified stack temperature. This project included the main housing, inlet cones, access doors, and shaft seals. The complete project was delivered *two weeks before the scheduled ship date!*

Besides fan and housing fabrication, Technos can also provide turnkey fan housing removal and installation. Technos has experienced supervisors and fan technicians with welding, mechanic, and millwright capabilities. Our technicians are full-time employees, safety trained and certified, and have the ability to travel nationwide at a moment's notice. Our fleet of heavy-duty service trucks is fully equipped for fan change-outs at your facility.



ENGINEERING SUPPORT

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

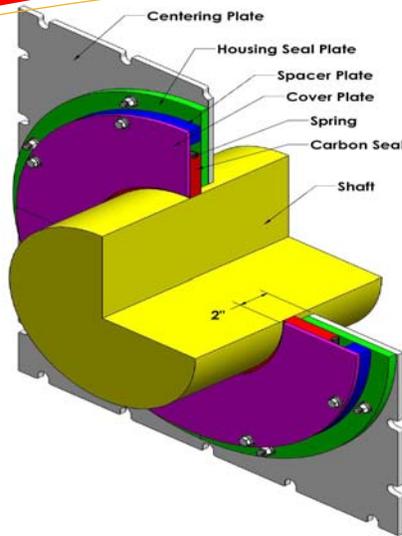
- Natural Frequency Testing
- Finite Element Analysis (FEA)
- Shaft Critical Prediction
- Wear Control Improvements
- Metallurgical Analysis

FIELD SERVICE DEPARTMENT

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

PRODUCTS AVAILABLE

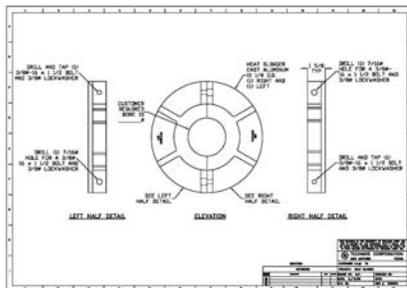
- Complete Custom Fan Assemblies
- Chrome Carbide Liners
- Dampers
- Expansion Joints
- OEM Projects
- Fan Housings
- Spare Wheels
- Screw Conveyors
- Coal Hoppers
- Shaft Seals
- Separators
- Shafts
- Classifiers
- Ducting



Fan Components available for your Rotating Assembly

Technos Corporation can custom fabricate carbon shaft seals to fit most fans. Some of the shaft seal benefits include:

- Shaft seals help eliminate ground and air contamination.
- Shaft seals help meet compliance with environmental regulations.
- Seals help prevent bearing contamination.
- Carbon rings can be easily replaced when required.



Technos can also provide shaft heat shields (also called cooling fans or heat slingers) for your fan shaft. The heat slinger can be bored to provide the correct fit on your fan shaft and can be installed without removing the equipment. Shaft heat shields help keep bearings cooler and cleaner and have a split design for ease in installation. *Call us today to design a seal or heat shield for your fan shaft!*

Technos Corporation 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 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 at a moment's notice.



From the **TECHNOS** tailgate: *Picadillo Tacos*

In a skillet brown ¼ cup chopped onion and 1 clove minced garlic with 1 lb. finely ground beef. Add ½ teaspoon salt and 1/8 teaspoon pepper. Add just enough water to cover meat and let simmer until water has evaporated. Add picadillo filling to flour or corn tortillas.

Don't forget to add Panama Jane's hot sauce for an extra delicious treat!