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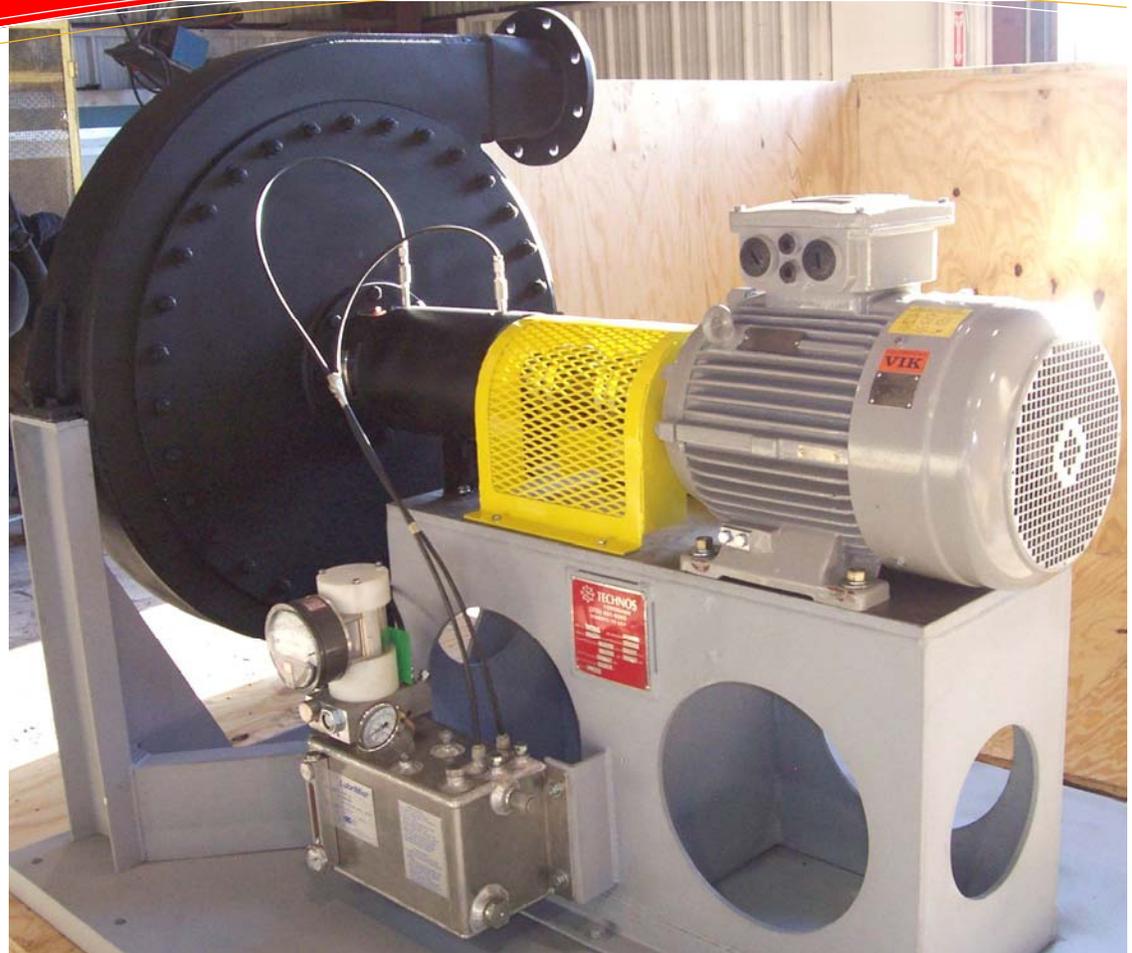
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TECHNOS HOT TIP #9

Fan Material Selection

A fan is typically fabricated from materials that most economically provide the strength and corrosive resistance necessary to perform to design specifications. All industrial fans must be accurately engineered to meet performance while maintaining structural integrity. Process air temperature, process air composition, and fan tip speed are the three main conditions that must be considered when selecting the appropriate fan material. Corrosion resistant materials, erosion resistant materials, high temperature materials, and high strength materials are available to meet each fan's specific requirements. Technos has the knowledge and experience to correctly select the right materials for your fan.



Technos Manufactures Stainless Steel Blower for Shipment to China

Technos recently shipped a special stainless steel blower to a major chemical corporation in China. The order consisted of the complete blower assembly with direct coupled Loher motor, oil mister assembly, and a unique 316SS John Crane seal. This unique seal was designed with Hastelloy C bellows, a special grade carbon insert for dry sliding operation, and a silicone carbide mating ring.

The fan assembly underwent a performance verification test for CFM/SP/PWR along with a full vibration analysis for Quality Control acceptance. A pressurized housing test was also completed to pass the "No Leak" specification required for duty at the chemical facility.

The order also included a spare fan wheel with shaft, spare bearings, spare coupling, and spare seal. The blower and all spare parts were specially packed for overseas shipment using the IPPC international standards.

The customer was so pleased with the project that they ordered a second complete blower to ship later this year!

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
- Housing 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



2011 Technos "Big Buck Contest"

Technos is accepting entries again this year for our "Big Buck Contest". Contest entries will be judged by our distinguished panel of experts here at Technos. The buck must have been taken between November 2010 and February 2011 to qualify. Your photo, along with a brief story describing the event, will help us determine First, Second, Third, and Fourth place winners. Winners will receive Cabela's gift certificates good at Cabela's stores or the Cabela's internet site.

To the left are photos of last year's winners.

Send your entry today!
E-mail photo and a brief story to:
sales@technosfans.com

Technos Corporation Capabilities

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.

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: *Pork Chop Crunch*

Ingredients: Four pork chops, Dijon or regular mustard, two cups Panko crumbs or regular minced bread crumbs, 1 cup grated parmesan cheese, and 1 teaspoon black pepper. Thoroughly combine dry ingredients. Spread mustard on both sides of pork chops and coat with dry mixture. Bake at 375 degrees for thick pork chops, or 30 minutes for thin chops (or until internal temperature is 145 degrees). **Now enjoy your delicious crunchy pork chops!**