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## TECHNOS HOT NEWS

**Recent Shop Safety Inspection**

The Technos' facilities were recently inspected by our Worker's Compensation insurance provider. In their inspection letter they wrote:

"During our meeting we discussed the scope of your operations, your hiring practices, and your safety program in place. It was obvious safety is of high priority as your two warehouses were well maintained and especially clean. It was noted all employees had on proper protective equipment such as face shields and safety glasses. I was impressed that all employees are assigned their own locks and keys for machinery, as lock out tag out is a proactive measure in preventing loss. You have proper controls in place when hiring employees and all new hires shadow a seasoned employee for up to four years. Keep up the good work! No recommendations were developed as a result of this survey."

Loss Control Consultant  
Hartford Accident and Indemnity Company



## “Form a line to the right, guys!”

The street in front of the Technos North Shop was crowded with incoming traffic this month as several trucks waited in line to be unloaded at our facility for fan repair and refurbishment. The fans are from a steel mill that has worked with Technos for many years.

The fans were quoted from information received from a recent Technos visit to their facility to inspect the equipment. The steel mill has undergone extensive upgrades to increase steel production, many of which were recommended and provided by Technos. These revisions included the addition of chrome carbide wear liners and the upgrade to more durable types of chrome carbide for higher wear areas.

Technos will clean and inspect the fan wheels, hubs, and shafts and record all information in an inspection report. Material thickness will also be measured and the results will help determine the final scope of work. The manufacturing and repairs of these fans will be performed at either of two Texas facilities which have the personnel and equipment to handle these larger assemblies.

Repairs to the fans will include reusing shafts and hubs in order to keep cost down and save the customer money. Finally, Technos will dynamic balance the fans on our 100,000 lb capacity balance machine.



## 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 / Classifiers
- Shafts
- Poppet Valves
- Ducting

### Let the pictures tell the story: "Out with the Old, In with the Technos New"



1. This lime company had a problem; their kiln duct was worn and after repeated field repairs it required replacement. Technos offered a cost effective solution to fabricate a new duct with a leadtime to fit the customer's schedule.



2. A downtime date was scheduled for the removal of the worn duct and the delivery and installation of the Technos replacement duct. This reduced the time and cost associated with repeated crane activities.



3. The new sections of duct were carefully lifted for installation. All dimensions were field checked by our Engineering Department to ensure that the new equipment would fit correctly. Our QC Manager inspected all parts to make sure that they measured to the customer's specifications.



4. The new duct was put into place and installed as scheduled. All connections were matched and flanges bolted or welded to the existing sections. The customer was very pleased with the result. Another Technos project successfully completed!

## 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: *Full Belly Potato Soup*

Ingredients: 2-1/2 cups water, 1 bag (28 oz) frozen O'Brien potatoes, 2-1/2 cups milk, 6 slices bacon cooked and crumbled.

Directions: Pour water into 3-4 quart pot and bring to boil. Stir in frozen potatoes and boil again. Reduce heat and simmer for 15 minutes. Add milk and heat again but don't boil. Stir in bacon or sprinkle on top. Add salt and pepper to taste. Sprinkle grated cheddar cheese on top for an added taste treat.

**A quick and easy soup to 'fill up the belly'!**