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TECHNOS
HOT TIP #11
SAFETY

Industry safety laws and regulations are designed to eliminate personal injuries from occurring in the workplace. Learning and following OSHA and MSHA rules and regulations are critical to the safety of all workers in this country. Safety has always been a top priority and a core value at Technos Corporation. We have an extensive safety organization made up of experienced safety professionals who work hard to implement our numerous safety training programs and policies. Our full time Safety Manager conducts OSHA and MSHA training twice a week, while our Safety Director (CMSP), gives annual refresher training. With today's emphasis on safety, Technos personnel all operate at the highest safety standards available with constant up-to-date training and certification.



Chrome Carbide Overlay Plate Extends Product Life

T200X and T223X chrome carbide overlay alloys for steel plate have been developed for applications requiring high resistance against wear by abrasion combined with moderate to low impact. T200X has established itself as the leading general purpose wear resistant alloy used in many segments of heavy industries such as steel, cement and lime, power, sugar, paper and pulp, glass, and chemical. The properties of these different overlay compositions and substrates have been engineered to provide extended service life at ambient and elevated temperatures in aggressive environments involving abrasion, erosion and impact. Chrome Carbide overlay plates are available in a range of thicknesses and choice of overlay alloy and base metal and **Technos Corporation** has many years of experience working with this material. Using automated plasma equipment to efficiently cut the parts, the material is then formed and the parts welded using special procedures and materials to produce the final product. The overlay plate is commonly used on products such as screw conveyors, shovel buckets, chutes, cyclones, piping, hoppers, fan blades, fan housings, classifier cones, and mixing paddles, to name but a few.



TECHNOS Monthly

Fan Engineering, Manufacturing, Repair, and Installation.

TECHNOS: Your Single Source Supplier!

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



Other Wear Control Products available from Technos

AR plate, ceramic tiles, ceramic spray coatings, and tungsten flame spray coatings are also available to help extend the service life of components in high wear areas. These products can be utilized in component repair or with newly manufactured items.

Technos Corporation can analyze your specific conditions and recommend a solution to help minimize wear and reduce equipment downtime.

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: *Texas Ranch Dressing*

Put 1 - 2 cloves garlic, one serrano pepper, a pinch of thyme, a pinch of oregano, two teaspoons of salt, and one teaspoon of pepper into a food processor. Add 2 cups sour cream and 2 cups mayonnaise (you can substitute buttermilk for either of the above). Add fresh cilantro or fresh parsley for extra flavor. Blend it all together and enjoy a fresh tasting salad dressing or vegetable dip.

Be sure to serve chilled and keep refrigerated.