



Barron Fan Technology
Air Systems Engineers



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www.barronfan.com
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History and/or Mission Statement

Barron Fan Technology, Inc. has just celebrated our 25th anniversary as a manufacturer of engineered products for flue gas & air pollution control equipment, and related products, for boilers, kilns, furnaces, and associated industrial equipment. Custom designed products include, but are not limited to: Centrifugal Fans, industrial & utility grade; heavy duty Cyclones & Multi-clone Dust Collectors in tube sizes 9", 10", 14" and 24"; Dust Discharge Valves; Dampers for air flow modulation and isolation, include multi-louver, parallel & opposed blade types, butterfly, flop gate and guillotine style slide gates; Expansion Joints with metal or fabric bellows; Kiln seals for production efficiency and fuel economy; miscellaneous custom fabrication including ducting, stacks, plenums, structural supports and tanks.



New Heavy Duty Fans

- Custom designed for your specific application
- Volumes up to 1,000,000 CFM
- Pressures up to 200" W.C.
- Temperatures Up to 1250 F
- High efficiency
- Abrasion Resistant

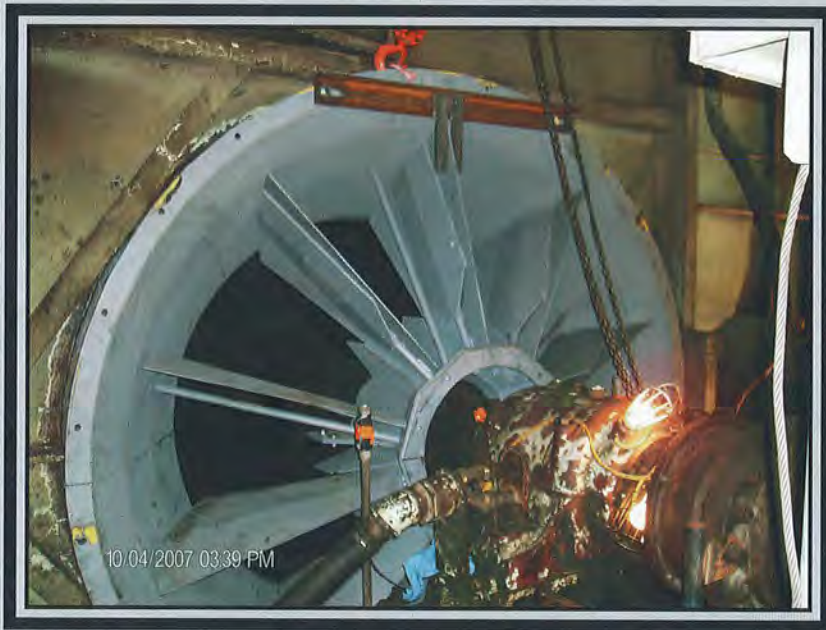
Impeller Repair and Rebuild

- Barron Fan Technology can turn around almost any small fan rotor (up to 40"-50" in diameter) in 36 hours or less.
- Can turn around almost any medium fan rotor (up to 70" in diameter) in 72 hours or less.
- Equipment can be fabricated using any weld able alloy and Barron Fan Technology works regularly with high wear plate such as Chromium Carbide, Tungsten Carbide and Tungsten Carbide wear tiles.
- During the rebuilding process, shop inspection often confirms the re-use of some existing components.
- Our engineers can analyze your fan failure with the latest technology and our many years of practical experience to provide a solution, not just a repair.



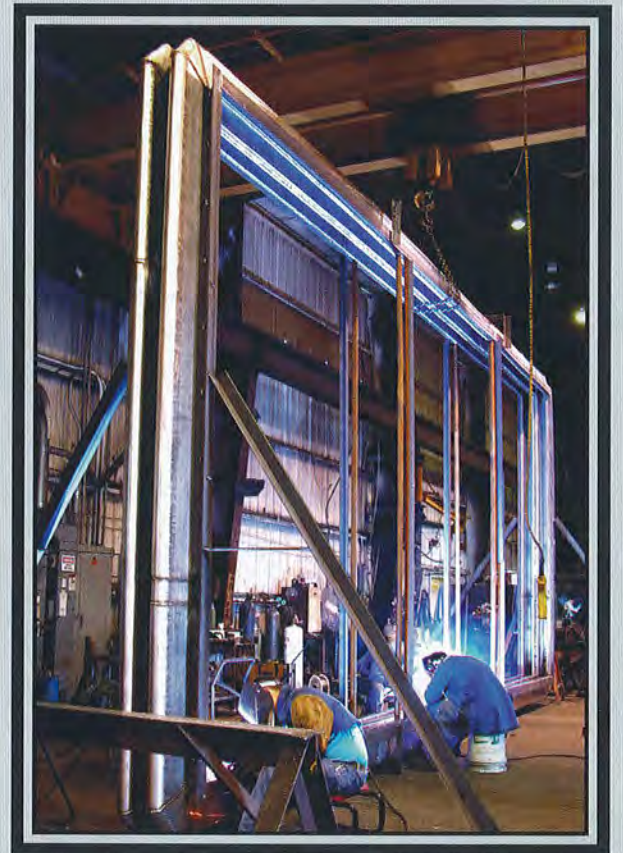
Dampers

Barron Fan Technology provides multi-louver, parallel & opposed blade types, butterfly, flop gate and guillotine style slide gates for a diverse client base including most of the major names in the cement, paper and steel industries. Our clients deserve solid designs backed by conservative engineering and careful manufacturing. Our dampers have larger drives and components than most of our competition to ensure extended service.



Expansion Joints

Fabricated using both metal and fabric-for all manner of flue gas duct applications & temperatures.



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Spun Inlet Cones and Shrouds



The reason for using or not using spun cones should be based on economic advantage not because the fan vendor doesn't have the ability to supply them. BFT has the equipment to spin cones and shrouds so our recommendations are based strictly on your fan requirements. Savings can range from a few percent to large amounts of money and performance.

Most fan shops make their cones and shrouds by building up rolled sections of flat plate. They weld these sections together to make an assembly. Our cones and shrouds are made with the metal spinning lathe. The result is an aerodynamic form that allows the air to smoothly enter the eye of the wheel.



As a rule, the air through the eye of most fans travels upward of 8 to 10 thousand feet per minute, as high as 100-120 miles per hour. Under these conditions, the flow across the cone can significantly alter the performance of the fan. Those flat areas and abrupt changes in direction caused by the welded sections can adversely impact performance.



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Field Services



- Fan installation: including accessories, motors, dampers, expansion joints, connecting duct work
- Fan repair: Remove it, repair or replace it, redesign for better performance.
- On-site balancing
- Preventative Maintenance



Dust Collectors

The Barron Fan Technology multiclone dust collector provides an efficient method to remove most types of particulate from your gas stream with a minimum of maintenance. More than 33 years of continuous development and refinement have made it a trouble free and reliable collector.

In addition to manufacturing our own dust collectors, we can retrofit many existing dust collectors to use our components. Our bell mouth design inlet vanes offer a reduced pressure drop for increased system efficiency. This design also offers greater resistance to plugging.

We offer four sizes of collection tubes, 9", 10", 14" and 24", to allow us to tailor the collector for the particulate in each system.

Our "accessible" design collector is just that, designed with room for easy maintenance. This additional space also offers improved air flow for better distribution.

