

Buffalo HT Fan has the solution



Buffalo HT Fan high temp (2,000°F) type PW fans are built to stand up to the heat! No warping!

- A North American manufacturer of carbon electrodes was experiencing premature wheel failures of the Class 2,000°F type PW wheels used in their open pit carbon baking furnaces.
- These large diameter (over 50") paddle wheels were used to recirculate the hot furnace gases continuously over a long baking cycle. In most cases, the cycle times were 30 days at a time or longer.
- The customer was using fan wheels from the original manufacturer. However, they typically experienced severe warping of the fans after relatively few baking cycles. A typical warped OEM wheel is shown in the top picture.



In addition to unbalance problems that cause bearing failures, consider the lost production due to poor airflow caused by the warped blades.

- Buffalo HT Fan Company engineers consulted with metallurgical experts to determine the most suitable high temp alloy to use in this demanding application.
- Buffalo HT Fan has designed and built multiple replacements out of the high temp and corrosion resistant exotic alloy recommended for the airstream. A picture of one of Buffalo HT Fan's wheels after many operation cycles is shown in the middle picture.



A picture of that type fan wheel being dynamically balanced in a Buffalo HT Fan balance stand is shown at right.

- If you are tired of buying multiple fan wheels from the OEM because you don't know if there is a solution out there, wait no more. Call Buffalo HT Fan today!



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For fans that don't warp or fly apart, call us today. We can help.

Buffalo HT Fan Company, Inc.

P.O. Box 1955, Buffalo, NY 14219-1955

Phone: (800) 657 9182

Fax: (800) 657 9435

E-mail: sales@buffalohtfan.com

Your best source for engineered OEM replacement fan equipment, fan repair & rebuilding, & dynamic balancing.