



Typical Applications

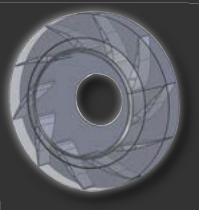
- > Kiln ID
- > Raw Mill ID
- > Main Baghouse Exhaust
- > Coal Mill
- > Coal Mill Booster
- > Cement Mill
- > Process Ventilation
- > Under Grate Cooler Supply Fans

Special Design Features

- > Extreme Temperatures
- > Shafts designed for Rapid Temperature Swings
- > Wear Protection AR Steel, Chromium Carbide, Tungsten Carbide
- > Specialized Silencers with Piezometer for Cooler Fans
- > Turning Gear
- > Sleeve and Antifriction Bearings (Water-cooled and Circulating Oil)
- > Flow Control by Dampers and Variable Speed
- > Retrofits (all brands) for improved Reliability and Performance

Fan & Wheel Types

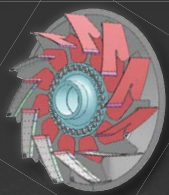
- > Centrifugal
- > Airfoil
- > Radial
- > Backward Inclined
- > Backward Curved
- > Radial Tip



High Efficiency
AF Airfoil Wheel



Proprietary Self-Cleaning
CHS Wheel

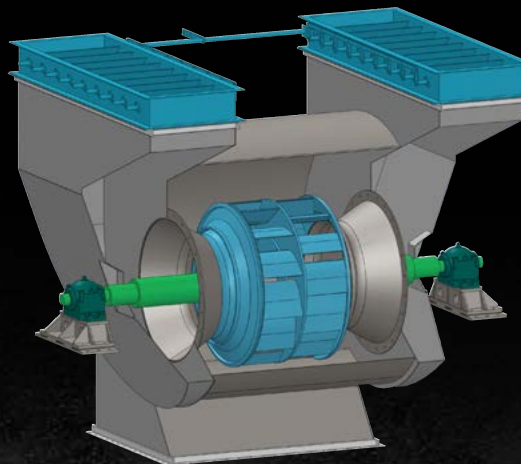
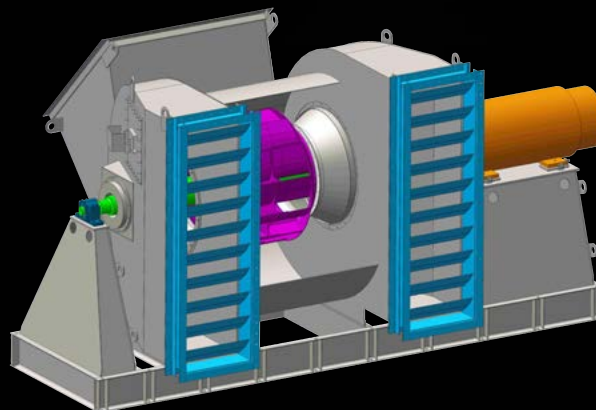


Chromium Carbide Overlayment
For Highly Abrasive Airstreams

Fans For Cement Plants



Cement is the corner stone of the construction industry and requires the use of a variety of fans for a number of vital processes. Whether you need Industrial Draft Fans in the kiln process or Ventilation Fans for grate cooling, we are experts at custom-designing specialized fans for the exact application. Our fans are designed to be extremely efficient, even in high temperature environments. We engineer and manufacture all of our Preheater Kiln Induced Draft Fans, Raw Mill Fans, Under Grate Cooling Fans, and other process fans to meet your specific needs. Simply call Clarage and let our team design you the most efficient, durable, and reliable fan for any Cement application.



AFTERMARKET SERVICES



Not all fan applications make it easy for a fan to provide 20 years of operational life. The effects of corrosion, erosion, temperature and infrequent maintenance on a fan all work to degrade its structural integrity, balance and aerodynamic performance.



As systems change to suit environmental regulations, process enhancements, and energy consumption, our ability to retrofit existing fans is second to none. We are proficient at applying our engineering experience to make the necessary modifications to existing equipment and can provide complete turnkey solutions for rebuilding and repairing fans in the field. Without limitation for the original fan manufacturer, materials of construction or design, Clarage can provide quick response to return a fan to service.



- > Installation & Commissioning
- > Retrofits - All Brands
- > Demolition
- > Technical Services
- > Repair & Rebuild
- > Duct Work Modification
- > Damper Installation
- > Motor/Turbine Alignment
- > Preventive Maintenance
- > Inlet Cones
- > Coupling Alignment
- > Material Upgrades



Clarage

Contact Us Today!

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