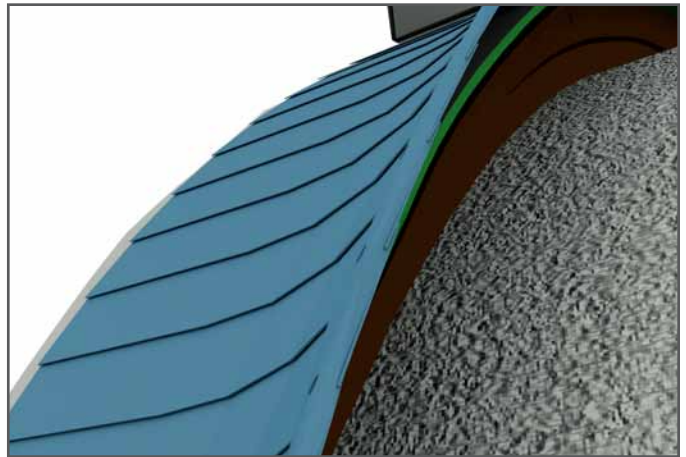
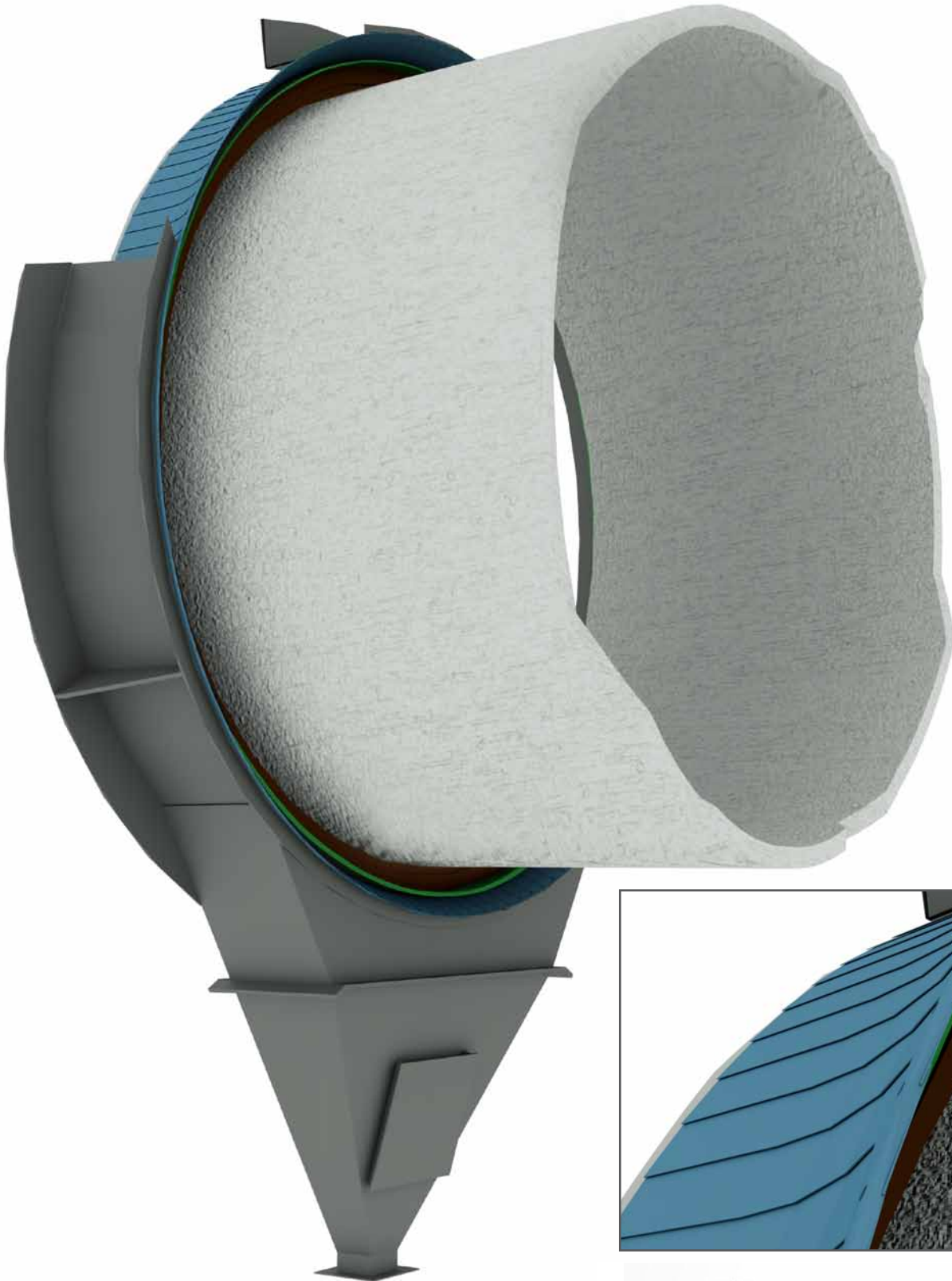
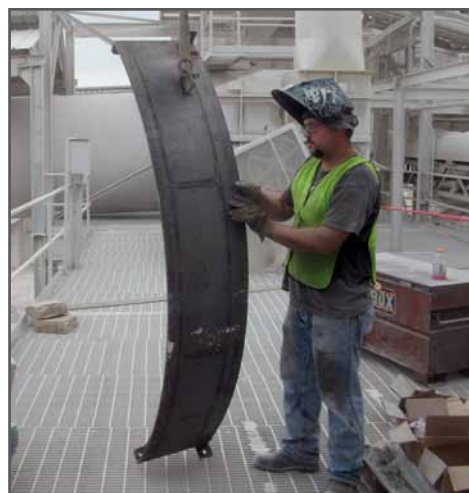


Kiln Seals



Oswal Engineers
Heavy Engineering Unit



COMPANY EXPERIENCE

Since the early 1997's Oswal Engineers has been designing, fabricating and installing feed and discharge end rotary kiln seal assemblies. Over the decades we have established one of the best known and widely respected reputations in the India. Currently, there are hundreds of rotary kiln seal installations that have been provided by our company. Our experience, capability and extensive installation list have been built through consistently providing dependable knowledge and resourcefulness. Although many of our seals are used on lime and cement rotary kilns, they can be used on ANY rotary kiln application. Whatever the need ProcessBarron has probably designed a kiln seal for it. Our experience and ability to be able to work within the space limitations of an existing system makes ProcessBarron the first and best choice for all of your rotary kiln seal needs.

OUR IN-HOUSE CAPABILITIES INCLUDE:

- Ability to work with any size or age kiln
- Ability to duplicate other manufacturer's designs and replacement parts
- Ability to offer turnkey services
- Correcting kiln run out and eccentricities
- Providing heavy-duty construction with spring tempered stainless steel leaves

KILN SEAL BENEFITS

COST SAVINGS:

- Reduced ID Fan HP consumption by 99% elimination of atmospheric air-in leakage
- Reduced burner natural gas fuel consumption by 99% elimination of atmospheric air-in leakage

IMPROVED PRODUCTION:

- Better burner control by eliminating varying temperature air-in leakage
- Creating stable temperature conditions by eliminating varying temperature air-in leakage

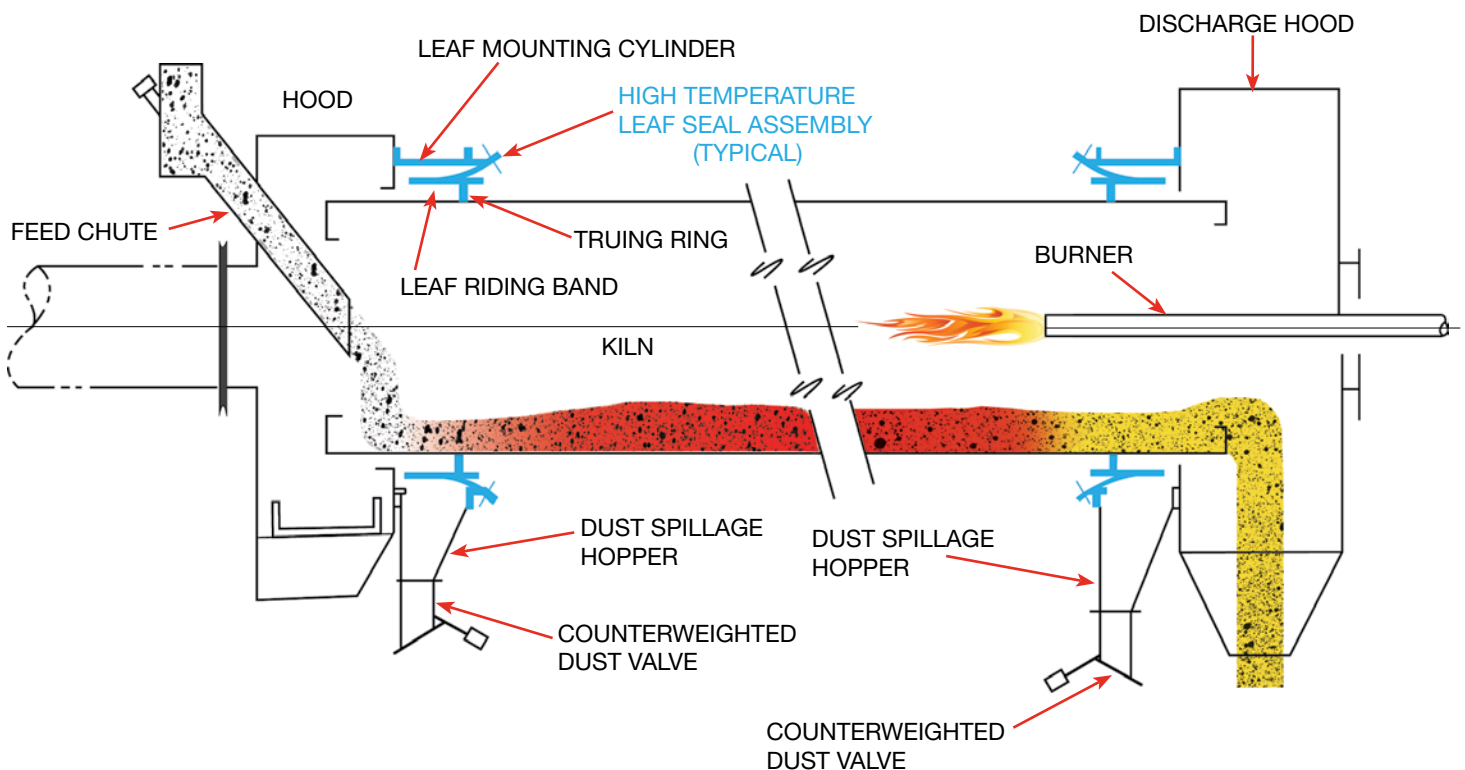
IMPROVED ENVIRONMENTAL CONDITIONS:

- Reduced internal equipment dusting due to elimination of turbulent outside airflows
- Cleaner external grounds and buildings due to reduced material leakage



What is a Kiln Seal?

Rotating kiln seals are fabricated devices used to prevent the escape of contaminants from a rotating kiln incinerator, while at the same time preventing atmospheric air-in leakage. The basic assembly is designed to bridge the gap between the rotating kiln shell diameter and the feed end and discharge end hoods. The purpose of the kiln seal is to improve overall system performance that allows increased production, and reduced fuel/energy consumption.





COMPANY SERVICES

Fuel & Ash Handling Systems

- Fuel Receiving, Storage, & Delivery Systems
- Metering Bins, Screw, & Drag Reclaimers
- Screening & Hog Towers
- Custom Belt, Screw, & Drag Conveyor Designs
- Fly Ash & Bottom Ash Systems
- Custom Ash Drag & Screw Conveyors
- Fly Ash Conditioning & Truck Loading Systems
- Submerged Bottom Ash Drag Chain Conveyors
- Complete Turnkey Materials Handling Systems
- Double Dump Valves – Electric & Pneumatic
- Rotary Feeders – New & Repair
- Redesign & Retrofit

Air & Gas Handling Systems

- Mechanical Draft Fans (Induced & Forced Draft)
- Boiler Upgrades & Stokers
- Economizers & Tubular Air Heaters
- Mechanical Dust Collectors
- Custom Dampers
- Fabric & Metal Expansion Joints
- Ductwork & Exhaust Stacks
- Fan & Vibration Analysis
- Draft System Assessment
- Engineering Analysis
- Efficiency Upgrades
- Repair & Rebuild

24 hr. Emergency Repair Services Available

DESIGN • ENGINEER • FABRICATE • INSTALL • SERVICE • REPAIR • REBUILD