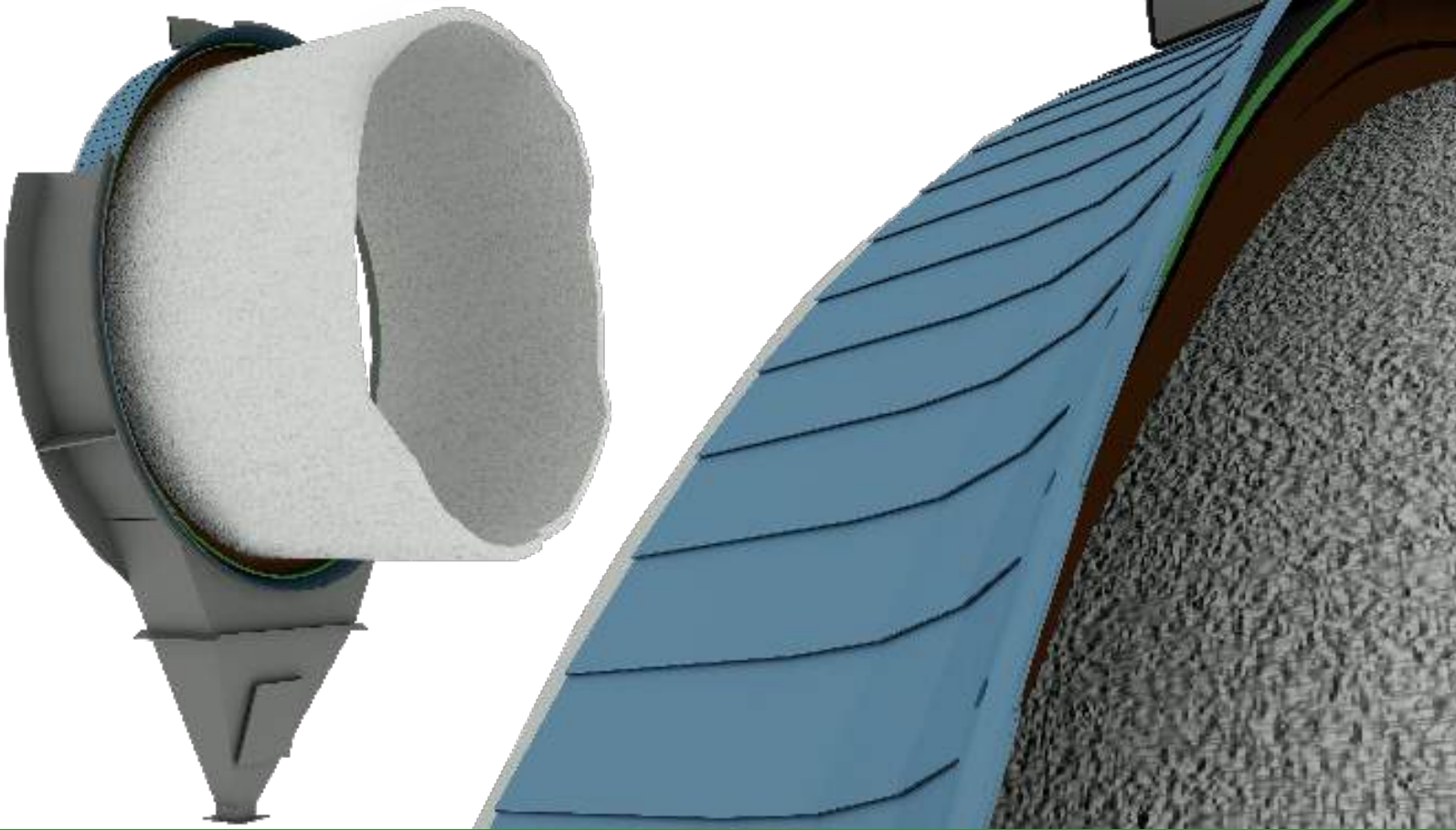


# Kiln Seals

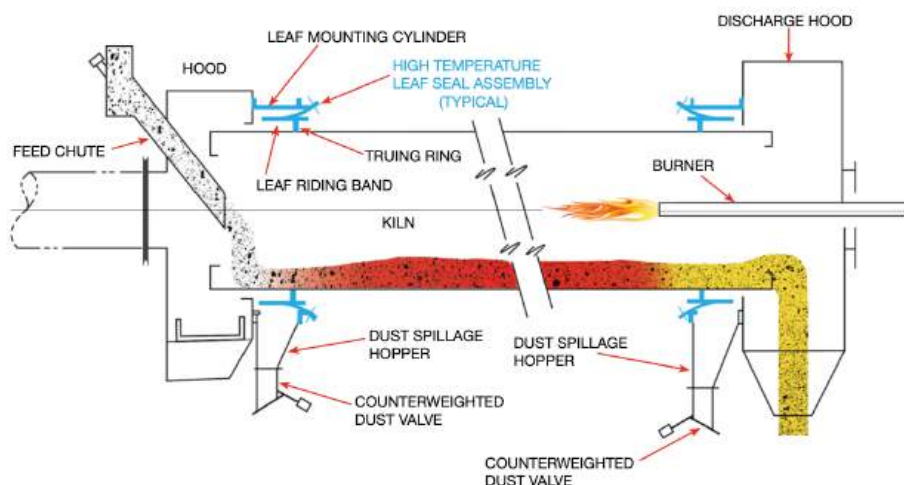


Since the early 1990's ProcessBarron has been designing, fabricating, and installing feed, and discharge end rotary kiln seal assemblies. Over the decades, we have established one of the best-known and widely respected reputations in the United States. Currently, there are hundreds of rotary kiln seal 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 make ProcessBarron the first and best choice for all of your rotary kiln seal needs.



## 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.



## 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 the elimination of turbulent outside airflows
- Cleaner external grounds and buildings due to reduced material leakage



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