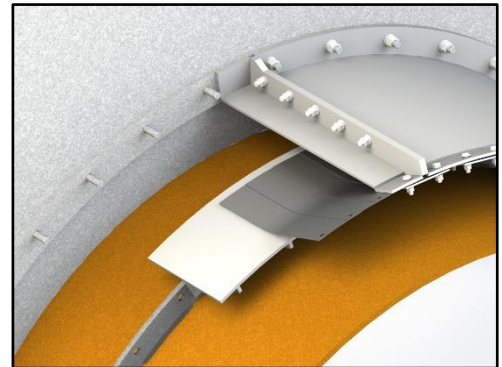


British Rema

Inverted Lamella Seal (with inward-facing leaf plates)

The British Rema inverted Lamella seal delivers advanced sealing performance through its inward-facing leaf plate design. The innovative configuration actively prevents dust accumulation on critical sealing surfaces, extending service life and reducing maintenance. The seal automatically compensates for shell run-out and thermal expansion, maintaining efficiency under demanding operating conditions. It represents a significant improvement over traditional outward-facing lamella seals.



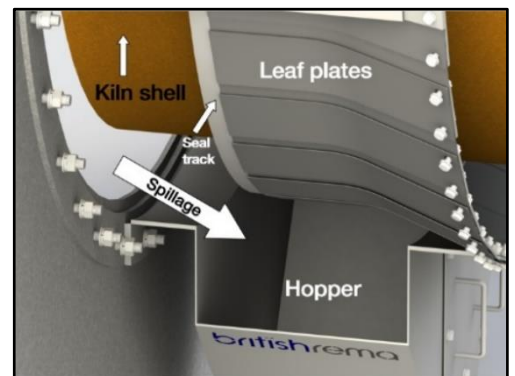
Integrated discharge hopper

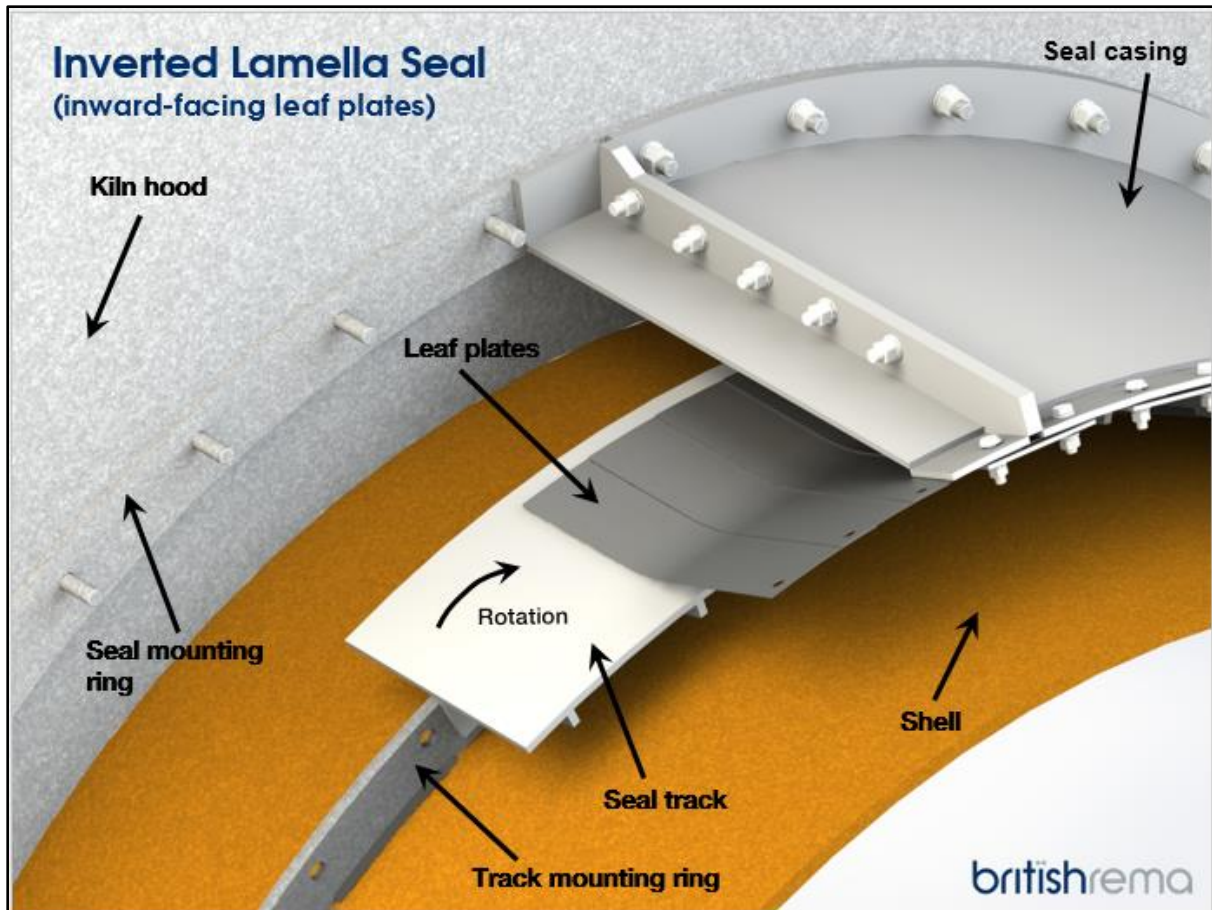
Features

- Designed with an integrated discharge hopper
- Main function is to create an air seal for the process interior
- Allows for controlled removal of any potential product spillage

Benefits

- Increased process efficiency
- Potential reduction in process fuel consumption
- Reduction in maintenance costs
- Reduction in replacement component costs
- Optimal contact between the leaf plates and the seal track absorbs shell run-out
- Minimal shell run-out means the leaf plates flex less and extend their service life
- Leaf plates replaceable during normal maintenance shutdown
- Controlled removal of potential product spillage
-





Operating principles:

Sealing surface

Positive operating pressure acts to tighten up the seal plates against the seal track, preventing process air and product from exiting the process stream and false air entering the kiln/vessel and disrupting the process.

The tighter seal prevents product (dust) being conveyed out, and far less dust accumulates. The spring action of individual spring plates contains negative operating pressure.

The seal track is mounted in such a way as to minimize shell run-out at the time of installation.

Spring action of the leaf plates

The leaf plates are mounted at a critical angle so that they spring tightly against the seal track during operation, but do not deform permanently.

The leaf plates run on a seal track instead of making direct contact with the kiln/vessel shell.

Should wear occur, the leaf plates and the seal track are potentially sacrificial components and can be replaced during a normal maintenance shutdown.