

Chesterton 30K Rotary Seal Solves Issues with Turbo Cream Mixer

Challenge

Background

A biscuit manufacturer was experiencing sealing issues with its turbo cream mixer due to premature seal wear from crystalizing sugar.

- Competing seals are only lasting one to three months which was not acceptable to the customer.
- Metal rings (in and out rings) and bearings had to be replaced prematurely due to failure.
- The replacement of the working heads constituted three to four hours with two technicians.

Solution

Product

Chesterton specialists recommended switching to the 30K Rotary Seal using AWC300 material. The benefits with the 30K Seal are:

- Lower friction with PTFE material. (Lower friction means lower temperature at the sealing surface.)
- The flexible lip seal on the 30K effectively protects sugar crystallization from getting under the seal lip.

Results

Increase Reliability/Cost Savings

The solution offered to the customer has been running without any issues for two years.

The customer witnessed significant cost savings as the new sealing solution meant reduced maintenance related shutdowns and cost savings from not have to replace components (such as metal rings and bearings).



Failed competitor seal.



Failed competitor seal (top image) compared to Chesterton 30K (bottom seal).



Chesterton 30K Rotary Seal.

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