SUCCESS STORY

TAMAR 410-SF seal
Food Industry, Corn flakes screw conveyor
The Challenge

- Customer (Cargill) has several long screw conveyors for a product that starts as a flake and will end up as fine powder.

- Unit is injected with 150# steam. Pressure in box is around 30 psi at 150f.

- Water moisture around 5% and can get a little sticky.
The Challenge

Operational Parameters:

- “Cooker” application (FDA)
- Working Temperature: 10-80°C (265°F)
- Shaft Dia.: 100mm-125mm (3-15/16” - 4-15/16”)
- Speed: 15rpm
- One fixed end and one “floating” end due to length and thermal expansion
The Solution

TAMAR 410-SF seal:
- No faces or springs to damage
- Air flush – separate the seal from the cooked material and allow cleaning
- Online constant injection system – a sealing barrier that holds the back the process material
- Cartridge seal - easy to install
The Solution

The “Floating” end seal is mounted on an expansion joint to allow thermal growth.
The Result

A clean leak free operation with minimum maintenance
Challenge Us!

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