



**Reliable**

**Smart**

**Simple**

# ***SUCCESS STORY***

## ***TAMAR 450-SP seal***

***Cement industry, Dry screw pump by FLSmidth***



# The Challenge

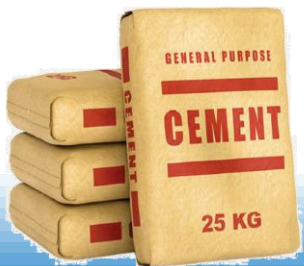
- The customer (Nesher) has several “Fuller-Kinyon” dry screw pumps by FLSmidth for fine powders.
- The unit is connected at the bottom of a hopper and feeds a pneumatic conveying line.
- The pump was previously sealed by a double mechanical seal



# The Challenge

## Operational Parameters:

- Cement application
- Working Temperature: 25°C (77°F)
- Shaft Dia.: 80mm (3.15")
- Speed: 1000rpm
- Pressure: 0.2 bar (7.25 psi)



# The Solution

## TAMAR 450-SP seal:

- ❖ No faces or springs to damage
- ❖ Air flush – separate the seal from the material
- ❖ Online constant injection system – a sealing barrier that holds the back the process material
- ❖ SPLIT Cartridge seal - easy to install



# The Result

**The SPLIT seal works perfectly for over 18 months!**

**No powder leakage**

**No damage to the bearings**

**NO DOWN TIME**







**Challenge Us!**



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