

Reliable

Smart

Simple

SUCCESS STORY

TAMAR 410-SF seals

*Chemical industry – Pneumatic conveying feeding line
seals*



Applications and Problem

- The pneumatic conveying feeder is built from a screw conveyor that feeds a rotary valve
- All the equipment was previously “sealed” with braided packing
- A common mechanical seal will not hold the abrasive nature, high run-out, dry running and other common characteristics
- Positive air pressure from the pneumatic conveying line constantly caused powder leaks
- The packing required constant maintenance, wear the shaft, leak and result with product loss



The Challenge

Operational Parameters:

- Fine flame retardent powder
- Working Temperature: 40°C (104°F)
- Shaft Dia.: 25-50mm (1"-2")
- Speed: 30-60 rpm
- Pressure: 0.3 bar (4.3 psi)



The solution

TAMAR 410-SF seal:

- ✔ Maintains practically zero leakage
- ✔ Dry running seal
- ✔ Cartridge type - simple and easy to install
- ✔ Non stop system
- ✔ This is not a mechanical seal - Ceramic and silicon free
– almost unbreakable solution!
- ✔ Low maintenance cost
- ✔ Operational flexibility



Result:

Many leaking equipment have been converted to TAMAR seals

- ✓ No more leakage and product loss
- ✓ No more shaft wear
- ✓ No more downtime

**This is what it looks like
after 5! years**



Challenge us!



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