



Reliable

Smart

Simple

# *SUCCESS STORY*

## *TAMAR 410-SF seals*

*Chemical industry – magnetic separator*



## Applications and Problem

- Magnetic separators are commonly sealed by a flange bearing. This resulted in grease that penetrates from the bearing to the process and frequent bearing failure
- A common mechanical seal will not hold the abrasive nature, high run-out, dry running and other common characteristics
- Packing will require constant maintenance, wear the shaft, leak and result with product loss



# The Challenge

## Operational Parameters:

- Fine powder
- Working Temperature: 50°C (122°F)
- Shaft Dia.: 39.1mm (1.5")
- Speed: 50 rpm
- Pressure: 0.2 bar (7.25 psi)



# The solution

## TAMAR 410-SF seal:

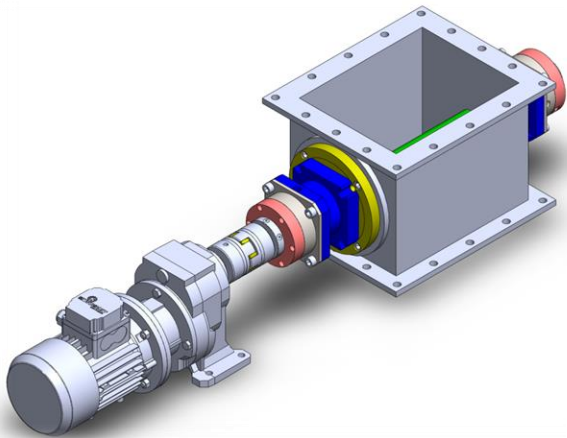
- ✔ Maintains practically zero leakage
- ✔ Dry running seal
- ✔ Cartridge type - simple and easy to install
- ✔ Non stop system
- ✔ This is not a mechanical seal - Ceramic and silicon free – almost unbreakable solution!
- ✔ Low maintenance cost
- ✔ Operational flexibility



## Result:

**All magnetic separators have been converted to TAMAR seals**

- ✓ No more leakage and product contamination
- ✓ No more bearing failure
- ✓ No more downtime



# Join the success!



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