

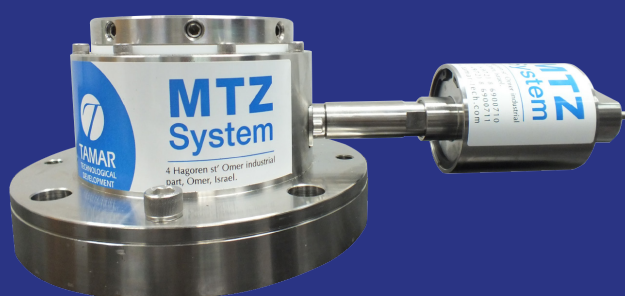


# TAMAR SEAL™

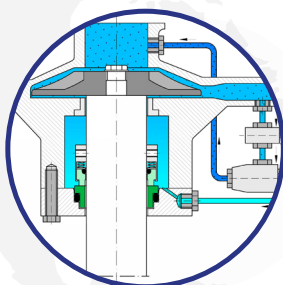
Innovative sealing technology



## TAMAR SEAL 610-AG FOR MIXER AND AGITATORS



24 MONTHS WARRANTY



No Barrier fluid – no  
product contamination



120mmHg Vacuum  
up to 1 bar



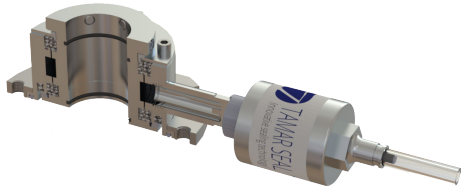
Withstands up to  
200C



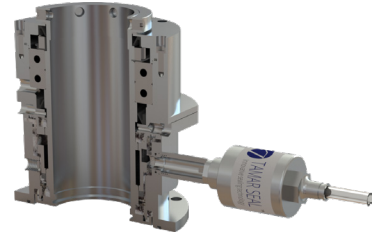
Capable of passing  
"sniffer" tests

## HEAVY DUTY SEAL

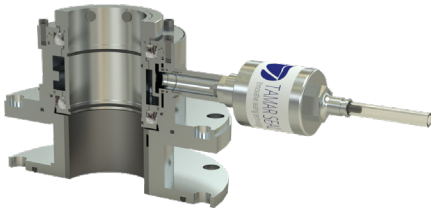
# SEAL OPTIONS



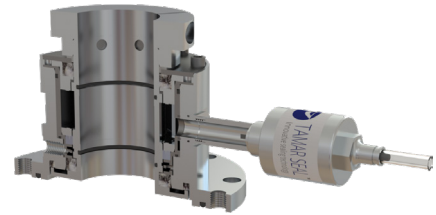
Standard dimensions for typical applications



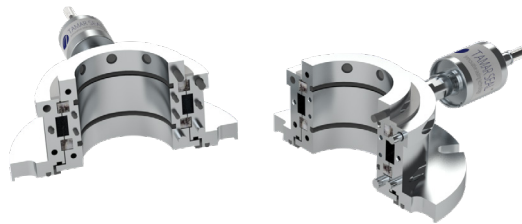
Bearing supported for custom designed applications



Jacketed seal for extreme temperature applications



Air/Nitrogen flushed seal for "sniffer" monitored applications



Split seal arrangement for large shaft diameter

## Features

**MTZ 610-AG** provides a solution for **agitators and mixers**.

- Can be serviced while the equipment is running- no downtime
- Acts as a third bearing to support shaft
- Average life before servicing - 3 years

# SUCCESS STORY

## Application and Issue:

- Customer manufactures flame retardant
- “sniffer” tests allow a max **200ppm** emission value
- Leakage of barrier fluid into the tank was a source of **contamination**
- The large shaft size, heavy gear and motor along with expensive downtime, made **seal replacement a very long and expensive issue**

## Operational Parameters:

- Sealed gasses: Toluene
- Working Temperature: 80°C (176°F)
- Shaft Dia.: 125mm (5")
- Speed: 100rpm
- Pressure: 0.5 bar (8 psi)



## The solution

### TAMAR 610-AGS split seal with a nitrogen flush ring:

- Eliminate use of a liquid based, face type seal - no barrier fluid
- Split seal design - eliminate the need of dismantling for seal repair
- Nitrogen flush –acts as a safety mechanism for toluene leakage



**Reliable | Smart | Simple**

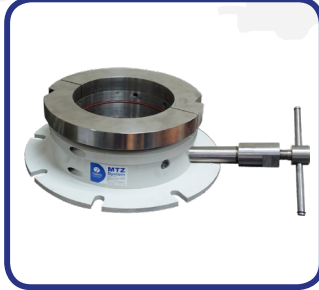
Patent No: 8,215,643 B2



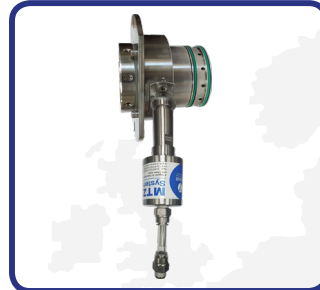
# TAMAR SEAL RANGE



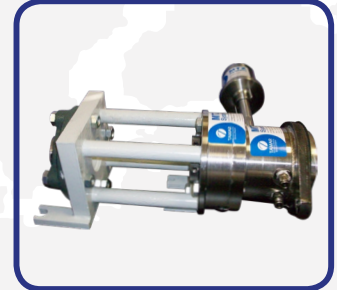
410-SF Screw Conveyors



420-VD Vacuum dryers



430-RV Rotary valves



440-PM Packing machines



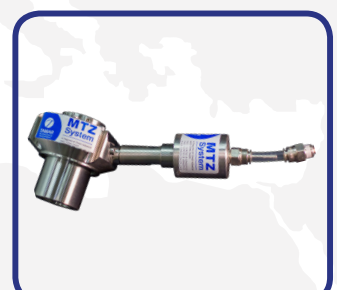
450-SP Screw pumps



510-RM Ribbon mixer



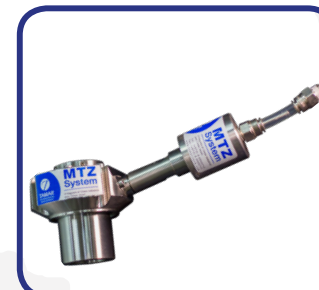
610-AG Agitators



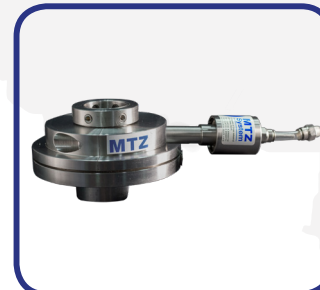
620-BL Blowers



710-SP Slurry pumps



720-PP Process pumps



730-TP Turbine pumps



740-PC Progressive cavity pumps

Your local TAMAR distributor:

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