

'FTL Seals have designed a tried and tested solution to the problem'

Bakery Rack Oven Wheels should be seen but not heard

FTL Seals Technology has now developed a cost effective, maintenance free long term solution to the age old Bakery Rack Oven Wheel screeching problem.

Recent 'clamp downs' on noise pollution, to comply with legislation laid down by the Health and Safety executive, have forced bakeries to act to reduce the unacceptable noise levels caused by Rack Oven Wheels.

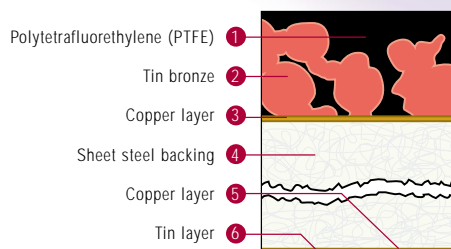
Every Baker has his own tale to tell on the various methods that have been tried in the past to solve this problem

- Changing Cast Iron Wheels to Phenolic Resin Wheels
- Changing back from Phenolic Resin Wheels to Cast Iron Wheels
- Adding PTFE bushings to the Wheel spindle
- Adding Bronze bushings to the Wheel Spindle
- High temperature lubrication regimes

The above attempted solutions seem to only offer limited short term success, as they tend to be prone to bearing seizure or thermal cracking and rely on costly removal of racks from production for maintenance or lubrication.

FTL Seals has designed a tried and tested solution to the problem, based on the use of maintenance free, high temperature, self lubricating precision bearings. With a maximum temperature capacity of 300 °C and a chilled capability, this "lubricated for life" solution is available in both Phenolic and Cast Iron Wheels and can be retrofitted to many existing applications, both swivelling and fixed.

Microsection Glycodur F Plain Bearing





Our solution not only cures the noise pollution problem, but also offers benefits in the following areas:

- Improved Steering and Rack control prevents product loss and workforce hazards
- Cost reduction, no need for High Temperature lubrication
- Prevention of floor damage
- Maximum temperature of 400 °C is attainable on special designs

This system has recently been put through it's paces at Tindale and Stanton near Newcastle upon Tyne, and Nigel Burleton, Engineering Director, considers it a major improvement in bakery noise pollution.

For many years FTL Seals Technology has provided sealing solutions to a multitude of industries. Success in these areas has resulted in customers also requesting bearing solutions and complete designed engineered solutions.

"FTL Seals Technology can provide a wide range of sliding element bearings and rolling element bearings for high temperature operation. These include filled PTFE bushes suitable for low friction applications, polyester bearings for higher load applications, injection moulded polyamide and polyacetal bushings for high volume applications. Also available are Glycodur plain wrapped bearings consisting of PTFE or POM layered on sintered bronze on a steel housing. Turned aluminium bronze and lubricated sintered bronze are readily available. To complete the range we have Graphalloy, suitable for poor lubrication, high temperature and corrosive applications; and also rolling element Compound Bearings for high temperature applications; in short a sliding element bearing solution for every problematic application"

If you would like more details, or to discuss how easy it is to convert a trial rack, contact Alan Parker on

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FTL SEALS TECHNOLOGY
SEALING, BEARING AND ENGINEERED SOLUTIONS