

# UTA Cobra Solid Lubricant™ Bearings

FOOD INDUSTRY



## UTA Cobra Solid Lubricant™ Bearings Help Commercial Bakery Cut Downtime and Lubrication Costs



A bakery environment can be particularly challenging due to elevated temperatures and high humidity. Elevated temperatures, humidity, and equipment wash downs cause premature bearing failures. Accelerated wear and tear of the bearings requires more frequent replacements, leading to increased maintenance costs and lost productivity.

### **The Solution: UTA Cobra Solid Lubricant™ Bearings**

UTA's self-lubricating, drip free, high-temperature bearings eliminate the need for constant lubrication and replacement. Cobra Solid Lubricant™ (CSL) is a proprietary, dry, solid graphite formula engineered to seal and lubricate bearings and conveyor wheels. It exhibits extraordinary performance even in the most difficult applications. The characteristics of CSL products allow for great extremes in temperature without any change in starting torque or lubricity.

Since CSL is a dry lubricant, it will not be affected by steam/chemical wash down and will not drip out or fling.

### **Meeting Food Safety Standards**

Lubricants for the food and beverage industries must be safe for the consumer. CSL is a dry lubricant that is non-toxic and environmentally-safe. CSL can withstand up to 660°F for extended periods and carries an **NSF H-1 food grade certification**. It helps keep your facility HACCP compliant.

### **Engineered Graphite Solution Improves Bakery Production Efficiency**

Food and beverage industries have some of the toughest operating environments - high temperatures, moisture, spills, and frequent wash down procedures - all adversely affecting lubrication processes of the bearings and conveyor wheels.

Grease dripping and continuous need for re-lubrication are common issues, adding significant costs for maintenance and lost production time. The dripping grease can also contaminate the process and the product.

### **Benefits**

- **Increased System Reliability**
  - Extended service life
  - Less unplanned downtime
- **Reduced Maintenance**
  - Virtually maintenance-free
  - No need for re-lubrication
- **Reduced Environmental impact**
  - No grease consumption
  - No lubricant leakage
  - Helps keep your facility HACCP compliant
- **Improved Safety**
  - Elimination of slippery work surfaces caused by grease
- **Reduced Total Operating Costs**
  - Reduced lubricant & energy costs

### **Typical Applications**

#### **Automated Baking Ovens for:**

- Breads - rolls, bagels, & tortillas
- Snacks - corn chips, cookies, & pretzels
- Wafers - ice cream cones & sandwiches
- Breakfast Foods - cereals & energy bars

For more information on UTA products and solutions, visit [www.utausa.com](http://www.utausa.com)



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## Increase The Return On Your Maintenance Investment with UTA



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### **The Challenge**

A Chicago-area bakery was replacing the tray support bearings in its ovens on a reactionary basis. Two of their mechanics were spending an average of 20 labor hours per week replacing failed bearings.

The premature bearing failures were caused by a combination of the high heat and humidity in the ovens, resulting in lubrication failure and contamination.

### **The UTA Solution: Cobra Solid Lubricant™ Bearings**

UTA suggested Cobra Solid Lubricant™ to provide constant lubrication and prevent contamination.

Cobra Solid Lubricant™ can withstand up to 660°F for extended periods and carries an NSF H-1 food grade certification.

### **The Result: Increased Savings and Operating Efficiency**

UTA's graphite based high temperature lubricants eliminated the need for re-lubrication. UTA Cobra Solid Lubricant™ bearings boosted service life of the baking ovens dramatically.

## Return On Investment (ROI) Summary\*

**The bakery documented \$726,000 in annual cost savings** from the three ovens it has in service. The savings were calculated based on reduced bearing consumption, reduced labor to replace bearings, and increased oven production due to reduced downtime for maintenance.

*\* This number is based on customer's estimates. Your particular cost savings may vary.*

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