



## New advanced model : ZA-W Ice Cream Cone Machine



### Advantages!

- Advanced Panel
- European Blower
- European Gas Train
- Modular & Ground Tracks
- Advanced installation Double Thickness

### Future Cones.....

Project - JOKER FACE CONE : Recently developed for our Overseas client.



Product View

Actual Die

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# TECHNICAL

## Probable Causes of Bearing Failure

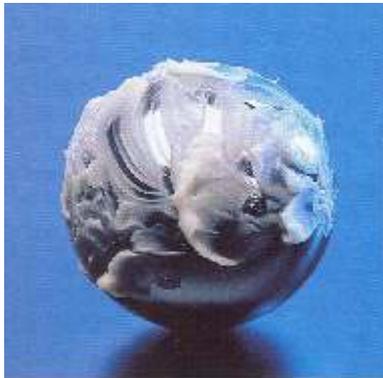


16%

### Poor fitting

Around 16% of all premature bearing failures are caused by poor fitting (usually brute force...) and being unaware of the availability of the correct fitting tools. Individual installations may require mechanical, hydraulic or heat application methods for correct and efficient mounting or dismounting. SKF offers a complete range of tools and equipment to make these tasks

easier, quicker and more cost effective, backed up by a wealth of service engineering know-how. Professional fitting, using specialized tools and techniques, is another positive step towards achieving maximum machine uptime.

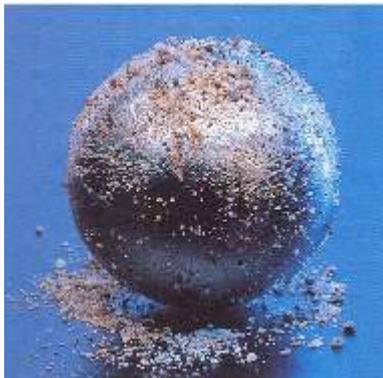


36%

### Poor lubrication

Although 'sealed-for-life' bearings can be fitted and forgotten, some 36% of premature bearing failures are caused by incorrect specification and inadequate application of the lubricant. Inevitably, any bearing deprived of proper lubrication will fail long before its normal service life span, because bearings are usually the least accessible components of

machinery. Neglected lubrication frequently compounds the problem. Wherever, manual maintenance is not feasible, fully automatic lubrication systems can be specified by SKF for optimum lubrication. Effective lubrication, using only recommended SKF greases, tools and techniques, helps to significantly reduce downtime.



14%

### Contamination

A bearing is a precision component that will not operate efficiently unless both the bearing and its lubricants are isolated from contamination. And since sealed-for-life bearings in ready-greased variants account for only a small proportion of all bearings in use, at least 14% of all premature bearing failures are attributed to contamination problems. SKF has an

unrivalled bearing manufacturing and design capability and can tailor sealing solutions for the most arduous operating environments.



34%

### Fatigue

Whenever machines are overloaded, incorrectly serviced or neglected, bearings suffer from the consequences, resulting in 34% of all premature bearing failures. Sudden or unexpected failure can be avoided, since neglected or over stressed bearings emit early warning signals, which can, be detected and interpreted, using SKF condition monitoring

equipment. The SKF range, includes hand-held instruments, hard-wired systems and data management software for periodic or continuous monitoring of key operating parameters.

# GLIMPSES GLIMPSES!

## 'ZA' Cone Plant at MEXICO



## 'RS' Cup Project at PHILIPPINES



## FORTHCOMING EXHIBITIONS



AAHAR 2008, New Delhi, INDIA.  
March 10 - 14, 2008 at  
our Stall No. B -15, Hall No. 18.



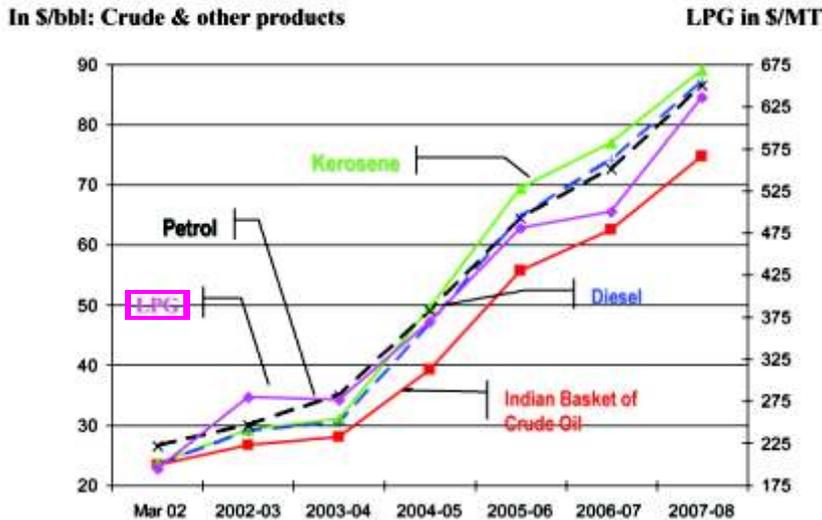
INTERPACK 2008  
Düsseldorf Trade Fair Center,  
Düsseldorf, GERMANY.  
24th - 30th APRIL 2008  
Stand No. 4/F42

# TECHNOLOGY

## Reality check

Oven makers around the world may be arch competitors, but they have one thing in common. They are all racing to develop economically viable machines that either use less gas or run on alternative fuels

### International Oil Price Trends



### FUTURE OF FUEL.

The industry is also headed in the direction of making ovens more fuel efficient. Rising energy prices force companies to look at ways to become more fuel efficient. When energy was cheap, no one gave fuel costs a second thought, but costs are rising, and energy prices are only going to continue to increase in years to come.

R&D's WA-HMI Series of ovens feature the latest technological advancements designed to increase fuel efficiency. The oven's control systems that automatically turn burner valves off if they don't ignite, reducing gas consumption. The PLC also provides independent burner controls that help reduce gas consumption by turning burners on and off during the baking cycle to maintain consistent temperatures throughout the oven.

We potentially can cut a customer's gas expenses by more than 20% by installing a new oven incorporating the latest burner design, new controls and improved insulation. As a manufacturer, our first step is to strongly recommend that all our customers put gas meters on all of their ovens, so they understand the energy cost for each product, and then in future applications, they can determine a savings against product production if they can reduce that fuel cost.

With ovens being one of the most expensive investments a bakery operation can make, bakers must take into consideration much more than the style of the oven and the heat transfer options available. It's essential to consider the way this long-term investment will affect business today and down the line.

Automation, fuel efficiency and ongoing **manufacturer support** are ways to ensure an investment in oven technology is money well spent.

### Thermal Images of ZA-W Oven :

Thermal imaging is an ideal way for measuring heat insulating of ovens.

