

Schaeffler Global Technology Solutions

Production Machinery

Automatic Lubrication Systems Increase Machine Availability

The customer is a Spanish company focused in lamp caps production for light bulbs. Established more than 100 years ago, the company currently employs 45 people. The facilities are equipped with the latest manufacturing technology. The annual production capacity amounts to 9.5 million light bulbs.

Challenge for Schaeffler

The customer experienced a high number of unplanned shutdowns on its four screw capping machines due to insufficient lubrication. These downtimes resulted in production loss and thus in high costs. To avoid these interruptions, the customer was looking for a more accurate lubrication solution. Due to his long-term partnership with Schaeffler, he contacted them also in this matter.

Schaeffler Solution

Schaeffler presented the FAG Motion Guard CONCEPT6 to the customer. This multipoint lubrication system can supply grease up to six lubrication points. It allows constant lubrication over longer times independent of temperature. Moreover, the system is easy to use. The operator has just to follow simple menu instructions and visual information on the LED display. Schaeffler installed four lubrication systems – one at each machine that had failed. On these, every FAG Motion Guard CONCEPT6 supplies grease to six lubrication points.

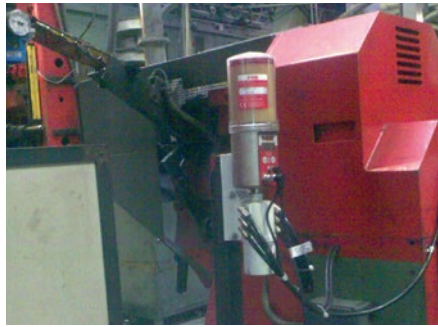


Informationen about the Product Portfolio

- Screw caps
- Bayonet caps
- Fluorescent caps
- Special caps



FAG Motion Guard CONCEPT6



Supply of up to six different lubricating points



Settings are made using two push buttons

Customer Benefit

The customer has found in Schaeffler a service company with large experience in the field of lubrication. The proposed solution enabled the customer to increase the availability of its screw capping machines. By avoiding unplanned shutdowns and production losses, he saves a lot of money. Since the FAG Motion Guard CONCEPT6 installation, the four critical machines are running without problems.

Costs – in the past: Average annual costs for spare parts, repairs and production loss caused by unplanned shutdowns	€ 36 500
Costs – today: Average annual costs for FAG Motion Guard CONCEPT6 lubricators filled with FAG Grease ARCANOL TEMP110	€ 3 500
Total savings	€ 33 000

What's special

The FAG Motion Guard CONCEPT6 lubrication system means a safe and economic lubrication solution. Due to its precise and automatic grease supply to each bearing location, the system extends the bearing's life and maintenance intervals. The customer is that satisfied with the solution that he is also planning to equip his manufacturing plant in the Czech Republic with this system.

Technical Information about the Solution

Automatic lubrication system:

4 x FAG Motion Guard CONCEPT6

LC unit size:

500 cm³

Grease:

ARCANOL TEMP110

Drive:

Elektromechanical

Discharge period:

Adjustable dosing by individual time setting.

Here: Term setting 6 months

Counter pressure:

Max. 25 bar

Operating temperature:

-20° to +60 °C