
Case Study

Cheese Manufacturing



CERAMICSPEED

Reduced down time and service cost in cheese manufacturing

This fully automated line organizes, washes and transports the molds before filling them with fresh cheese again for maturing.

Problem

The food industry places high demands on bearings. Besides high performance and extended lifetime, bearings require approval and certification for use in the food industry. Our customer were replacing traditionally bearings twice a year due to harsh environment with wet surroundings along with frequent compulsory cleanings with steam and detergent.

Result

With the implementation of CeramicSpeed SLT bearings, this automated line has now been running for 3 years without any bearing breakdown or replacements. The customer has saved more than 96 hours in direct engineer labour, 6 stops in production of two days each, as well as time spent on re-planning etc. The savings after three years exceed 100.000 EUR, this without considering loss of production.

Solution

By replacing traditionally bearings with CeramicSpeed SLT bearings you will achive an remarkable increase in the bearing life together with a drop of bearing-related maintenance costs. CeramicSpeed SLT is a polymer matrix saturated with lubrication oil. The matrix secure to retain oil right on the functional surfaces of the bearing under even very harsh conditions while at the same time preventing moist and foreign particles in entering the bearing.

Technical Highlights

- Harsh environment
- Rotation speed: > 100 RPM
- Bearing temperature 30°C -50°C
- Lubrication: CeramicSpeed SLT

