

Food & Beverage Production



Bearings used in machinery for food and beverage production must meet a range of unique requirements. Bearings may be in direct or indirect contact with consumables during manufacturing, handling and other processes and it is essential the quality of the end product is not compromised and consumer safety is assured at all times. In addition, bearings used in this industry must endure harsh environments, dealing with extreme temperatures (both hot and cold), contamination, wash downs, humidity and chemical exposure.

HQW Precision is a market leader in the manufacture of bearings for this industry, offering a number of solutions to the challenges above.

Food Grade Greases

HQW Precision has more than 300 different greases in stock, many of which are certified for use in the food industry (H1). Their use is essential to ensure product safety. Additionally, a moisture barrier grease may be needed to keep out water found in an application or because of the wash down process.

Corrosion Resistant Materials

Bearings can be manufactured from stainless steel or SV30. Stainless steel is more resistant to detergents and wash downs than normal bearing steels. SV30 is an advanced material which is extremely corrosion resistant and displays improved mechanical properties through its very fine structure, very quiet running characteristics, high temperature and chemical resistance.

Special Coatings

HQW Precision offers multiple types of coated bearings which are highly resistant to corrosion which can occur in food and beverage production processes.

Cleanroom Class 7

Assembly, testing and packaging takes place in ultra-modern Class 7 (EN ISO 14644) / class 10.000 (US FED STD 209E) clean rooms for the highest hygiene and cleanliness standards.

Specially Designed & Coloured Seals

HQW Precision offers coloured seals which, where damage occurs, allow for simple, early detection. Specially designed seals ensure no liquids or contaminants can enter the bearing and lubricant is contained more efficiently (lifetime lubrication) than standard seals. As a result, the life span of the bearing is increased and running characteristics are improved.



Food Grade Grease Ball Bearing.



Blue Seal for Food Grade Grease.

About HQW Precision

HQW Precision GmbH is a world-class manufacturer of high precision ball bearings, operating from state-of-the-art production and testing facilities at the company's Headquarters in Kürnach, Germany. HQW Precision offers the highest quality, reliability and precision, while still putting customers at the heart of the business. Expert engineering, design and technical services are available, while our dedicated customer service team offer support across all stages of the production process.

For more information on our products or to discuss your bearing requirements, please contact our experienced Sales & Engineering Specialists.