

The lubrication options for ultra-low-friction bearings



Texas, Dallas, Jun 25, 2021 (Issuewire.com) - Smooth production is possible with a clean production process. This smoother process is more profitable. It is difficult to prevent every production issue from happening. You can reduce your risk by taking several steps. The [flange bearings](#) selection is one of the most overlooked areas of opportunity. This article will concentrate on low-friction bearings. How can low-friction bearings help reduce production costs, increase productivity, and make your manufacturing process more profitable?

Prevent machine failure

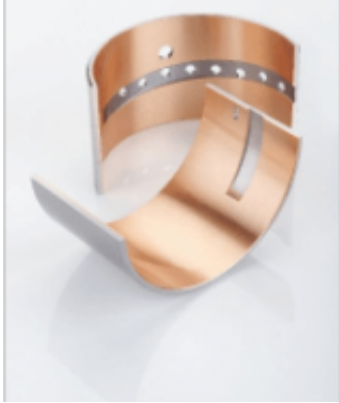
Machine failure is simply a malfunction of a component in executing its intended function. This could mean that the machine is not working properly or it may be catastrophic. A pump that was designed to move 100 tons of water per hour but can only carry 50 tons per minute would be considered a machine failure. Surface disgrace accounts for 70% of machine failures. This is because most of the problems with surface degeneration are caused by mechanical wear.

Journal bearing reduces friction. A microscopic look at the bearing surface will reveal imperfections. This creates friction. Low-friction bearings are more efficient than standard bearings. They have a lower friction percentage of 30 % and less. Also, the surface reduces machine failure risk by reducing degradation.

Low-friction bearings are more affordable. Employees are able to work more efficiently during downtime because they spend less time replacing parts. This will allow you to reduce the total cost of buying the machine.

The cost is another factor. You cannot produce as many widgets in a given time period if the machine operates at 50% efficiency. This is more than creating a narrower section to meet production requirements. You also have less product to market and less income to prove your efforts.

The [Hi-bond](#) Bearings Pvt. Ltd. industry adopts low-friction ball bearings, which reduces the friction torque by 47%. In comparison with standard type ball bearings.



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