Self-Lubricating Bearings Save One Steel Manufacturer Millions

A partnership with TriStar gives you a competitive edge.

Time is money. It is an old cliché, but one that still rings true in the manufacturing sector. Here's how a major steel manufacturer will save millions in lost production by replacing their manually-lubricated bushings with self-lubricating plastics.

"Production halted every time we had to replace or manually grease the bronze bushings on the electro-galvanizing process line," our OEM partner explains. "This caused a $30,000 profit loss for every hour the line was down. It also put us at a competitive disadvantage given the 24/7 demands of the steel industry," he added.

The application is on the shear trunnions of the electro-plating cell line, which contains a total of 660 bronze bushings that needed to be replaced every 45 days. Each repair required two workers over four hours to complete.

CJ Composite Bearings

CJ Bearings Deliver for the Steel Industry

We replaced the manually-lubricated bronze bushing with self-lubricating CJ bearings, and the financial impact was immediate.

"CJ composite bearings have helped us completely eliminate all labor and greasing costs. Our bearing lifespan has increased from two months to over 18 months. We are on track to save millions in lost production over the next few years," our partner adds.

Benefits Extend Beyond Cost Savings

CJ self-lubricating bearings also delivered our steel client extended operation to maintain a non-stop production schedule. The durable composite bearing solution also provided good tolerance for the corrosive plating solutions and 100-150° F service temperatures.

Are you losing production time due to bearing failure? Self-lubricating bearings could provide the heavy-duty bearing support you need. Request a quote to learn about potential savings.

We're ready to put our engineering expertise to work for you from prototype to production.

Engineering | Custom Fabrication | Manufacturing

CJ Composite

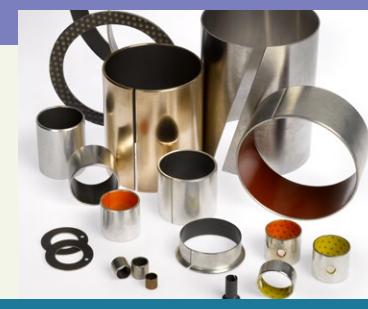
- Self-Lubricating
- Low weight | High Strength
- Chemical Resistance
- Direct replacement for Bronze

Ultracomp®

- Self-Lubricating
- High Load | Low Speed
- 54,400 PSI Compressive Strength
- Exceptional Resistance to Vibration and Impact

TriSteel™

- Self-Lubricating
- High Load | High Speed
- Metal Backed Bearing System
- 100% Lead Free

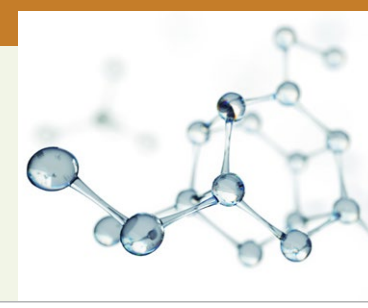


Rulon®

- Self-Lubricating
- Low weight | High Strength
- Low Coefficient of Friction
- Chemically Resistant

Enhanced Materials Division

- Plasma Surface Treatment
- Specialized Primers & Coatings
- Material ID & Selection
- Process Engineering | Analysis & Testing



TriStar

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