

Self-Lubricating Ultracomp[®] Increases Production, Eliminates Maintenance

■ A partnership with TriStar gives you a competitive edge.



Ultracomp



Raw Sugar Cane

We teamed up with a major producer of sugar cane to reduce equipment maintenance and save them thousands of dollars in lost production time.

During sugar cane harvest, our partner processes and crushes over 7000 tons of raw sugar cane each day. The factory operates in 24/7 mode to make the most of the short season, and any shut down or delay in processing can be devastating to the bottom line. Yet our client complained that the sticky sugar substance was causing the metal bearings to fail, and production rates to plummet.

By replacing high-maintenance metal bearings with zero-maintenance Ultracomp 500 bearings on the line's hydro-mechanical roll presses; our partner realized a significant savings.

Ultracomp is the right choice to meet the rigorous needs of high-load, low-speed and plane bearing applications. [See our latest Ultracomp video to explore more.](#)

Demanding applications call for durable bearings, and Ultracomp 500 fit the bill:

- Excellent resistance to vibration and impact to resist the line's crushing movement
- Self-lubricating material improved sanitation and reduced grease contamination on the line
- Good abrasion resistance offered superior wear
- Design flexibility gave the material a better seal design to prevent leaking of sugar onto the bearing surface

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



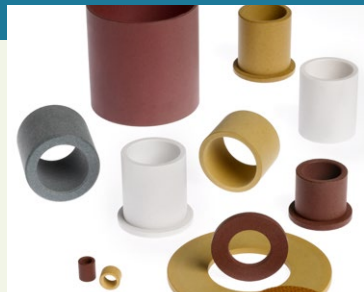
TriSteel™

- 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



Engineered Plastic Solutions™

tstar.com

1.800.874.7827