

Why Choose Composite Journals in Paper Processing Equipment?



As communities look to decrease trash tonnage, they are embracing community recycling programs. While this is good news for municipalities, one manufacturer explained that the higher volumes had placed incredible stress on their paper baling equipment. They noted a direct correlation between increased recycling and the failure rates of their bronze bushings.

Our [engineering team](#) met with designers to review the application requirements. We noted that the bronze bushings were located on the pivot points and support shafts of the balers, yet they were clearly not designed for large volumes.

■ A partnership with TriStar gives you a competitive edge.



CJ Bearings

We recommend CJ composites based on:

- **Heavy-duty design**

CJs are filament-wound with a PTFE/ Nomex liner to deliver extended wear

- **No grease**

With self-lubricating properties, composite journal bearings never need additional lubrication

- **Strength and speed**

[CJ bearings](#) have a compressive strength of 40,000 psi and speed rating of 100 SFM to resist vibration and impact

- **Durability**

CJ composites [\[video\]](#) provide all of the durability of bronze, but without the high maintenance or replacement costs

- **Flexible design**

CJs are available in many wall thicknesses and are suitable for press fit, freeze fit, epoxy bonding and conventional mechanical retention

After making the switch, our client has now decided to install CJ (and [Ultracomp](#) composite bearings) throughout their recycling equipment product line.

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



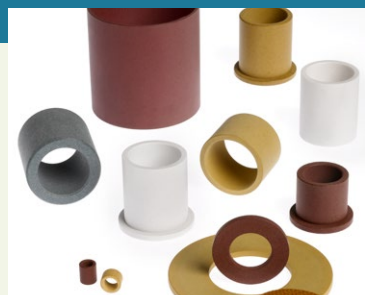
TriSteel[™]

- 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



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