

# A Fresh-Baked Solution

*TIVAR<sup>®</sup> HOT Improves Bread Carousel Performance and Reliability*



*TIVAR HOT frames increase uptime and lower maintenance costs*

The nylon frames used on a carousel in a baking production line were experiencing excessive swelling due to 100% humidity exposure at 1800F, causing the carousel drive chain to snap and weldments to break. This led to tremendous downtime and maintenance costs.

TriStar worked with the manufacturer to develop improved frames, using TIVAR HOT in place of the nylon. The results:

- Dimension stability (no swelling)
- Non-stick and good sliding properties
- Reduced oxidation rate
- Increased uptime/lower maintenance costs
- lower cost due to sourcing parts from a local supplier

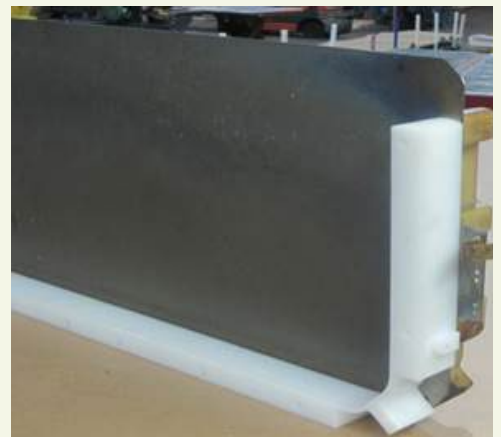
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■ A partnership with TriStar gives you a competitive edge.



**Bread Crumb Dough Carousel**



**close-up of TIVAR HOT Frame**

**SIC 35560000: Food Products Machinery**



**QUADRANT**

TIVAR is a registered trademark of the Quadrant group of companies.

1-800-TriStar [874-7827]

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<sup>®</sup>

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



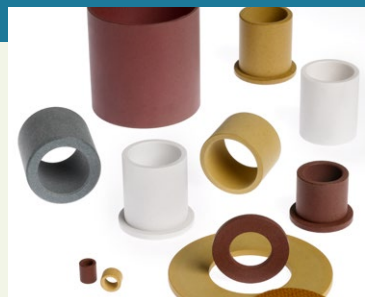
## TriSteel<sup>™</sup>

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



## Rulon<sup>®</sup>

- 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**



Engineered Plastic Solutions<sup>™</sup>

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