

# Electronics LCD Bearings: Rulon<sup>®</sup> J Hits the Big Screen

■ A partnership with TriStar gives you a competitive edge.



Rulon J Bearings

*A major manufacturer of LCD panels needed replacements for rolling elements in the ovens used to produce large video displays. The operating environment is extremely hot, dry, and in some instances, can be an inert gas.*

*These types of ovens are used in various other electronic component manufacturing as well and can be part of the vacuum deposition process common in the semi-conductor industry.*

*We recommended Rulon J bearings for use as replacements for sealed, lubricated rolling elements in the conveyor rollers within the oven.*

## **No Lubrication = Nearly maintenance Free**

Since [Rulon J](#) requires no lubrication, it can be installed as a direct retrofit, providing a low-maintenance option to the end user.

Rulon J has very low out-gassing in vacuum at elevated temperatures and withstands operating temperatures up to 550°F.

Other locations on the processing equipment where Rulon J bearings have been incorporated include pivot and sliding points on load/unload robotic arms, exterior feed rollers and door hinge bearings.

## **The Entire Rulon Family is Engineered with Specific Custom Applications in Mind**

Rulon J is just one of the many Rulon materials available for bearing applications.

All Rulon materials have excellent service life at PV's up to 10,000 with loads of 1000 psi and speeds of 400 sfpm.

Want to learn more about Rulon? [See our Rulon comparison chart to review common formulas!](#)

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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