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Rulon W2 Meets 3-D Technology in Underwater Theme Park Rides

Amusement parks have come a long way from the wooden coasters and midway games of our childhood memories. Today's parks are full-fledged tourist destinations, or "adventure parks" built to attract a thrill-seeking customer. Their use of 3-D technology, interactive water exhibits and special effects bring the theme park experience to a whole new level. And TriStar is proud to deliver some of that thrill.



Our client designs underwater park rides and all of the scenery and animatronics (or floating props) that make the ride simulate a real marine environment. They needed a [durable bearing material](#) for use in their underwater props. After careful consultation and research, our [engineering team](#) recommended our [Rulon® W2](#) bearing, a black PTFE-based material specifically developed for use in freshwater applications. The result? Bearings with one of the longest wear rates, plus a superior resistance to the tank's chemicals.

Submerged and in-stock...

Our client cited their need for a bearing that could last indefinitely in a freshwater tank with exceedingly high chlorine levels. Due to the ride's dependence on water clarity and its Sunbelt location, chlorine levels were maintained at such an extreme that divers who maintained the tank were strictly limited to the frequency and duration of their exposure. Rulon W2 succeeded in this highly-corrosive environment where other materials failed; it boasts superior chemical resistance and good thermal dissipation.

TriStar is pleased to host the largest [US inventory of Rulon](#) materials in the US — including [Rulon LR](#), [Rulon J](#), and [Rulon 641](#), giving us the ability to quickly deliver the right material.

... and rolled out throughout the park

With the success of Rulon W2 in underwater animatronics, park designers have since replaced the rubber shaft bearings in the ride's freshwater pumps, and have plans to convert other underwater bearings throughout the park to Rulon W2.

Simply, Rulon delivers an extended lifespan, flexible design, and ability to self-lubricate — no wonder it is the top choice among design engineers.

[Let us help you](#) match the right material to your application by evaluating the speed, load, temperature and lubrication of your hardware. Or join the conversation on our [Tech Talk Bearing Blog](#) for the latest industry trends and tips.

We've created "[The TriStar Advantage](#)" with you in mind.

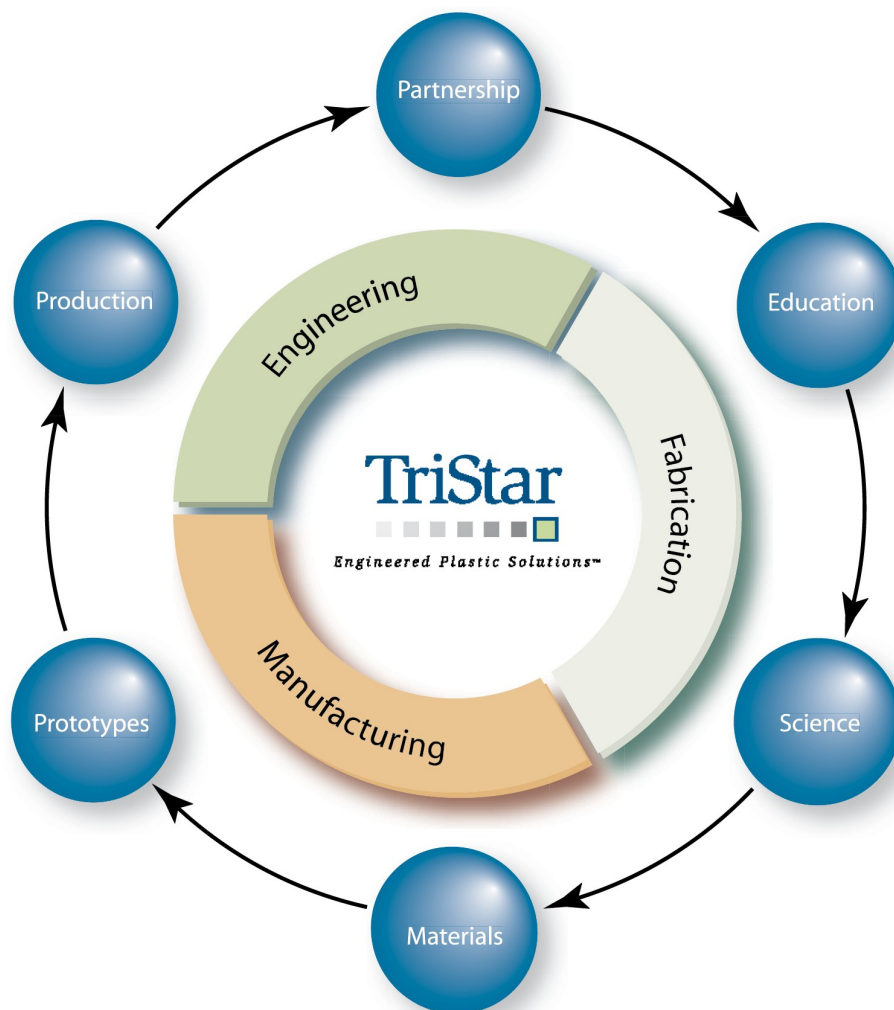


The
Advantage
is Clear

Our business has been designed by you.

Established in 1982, TriStar Plastics Corp. provides engineering, custom fabrication and manufacturing of high-performance polymers, composites and self-lubricating bearing materials.

With engineering and sales offices coast to coast we stand ready to serve you.



TriStar

Engineered Plastic Solutions™

Over 50 Industries Served

Since 1982 TriStar has been the in-house engineering resource providing engineering, design assistance, prototyping, custom fabrication, and manufacturing in over 50 industries including:

- Agriculture
- Construction
- Food
- Marine
- Medical
- Railroad

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