

Volume 4 Issue 5

Application Highlight

Rulon® Makes A Big Bang!

TriStar Plastics Corp. has been working with the military on improving the recoil system for the 155mm Howitzer. This piece of artillery continues to be the mainstay of the mechanized armor forces of the United States and many other countries. Several versions of this weapon exist including a trailer-mounted and track-mounted unit.

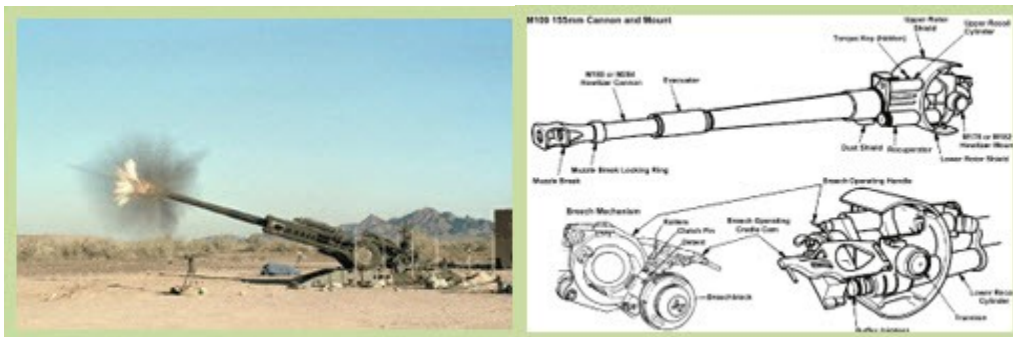
TriStar's engineering team has developed a new sealing system for the hydro-pneumatic recoil unit which is used on the M198 Towed Unit and the M109 Self Propelled Unit. With the use of Rulon® LR, the seals have been redesigned to meet improved life requirements between change outs. Previous materials and geometries were falling short of the demands of the application, where the Rulon® LR offered improved wear life, low friction, responsiveness to pressure and temperature, and improved abrasion resistance.

Rulon® LR is one of many materials in the Rulon® family. For more information about Rulon® and other products available from TriStar Plastics Corp., call us at 1-800-TRISTAR or visit our website at tstar.com and use our new Advanced Search feature to help you identify the best potential materials for your particular application.

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

Ask the Experts!

Click here to submit your questions directly to our Technical Director.

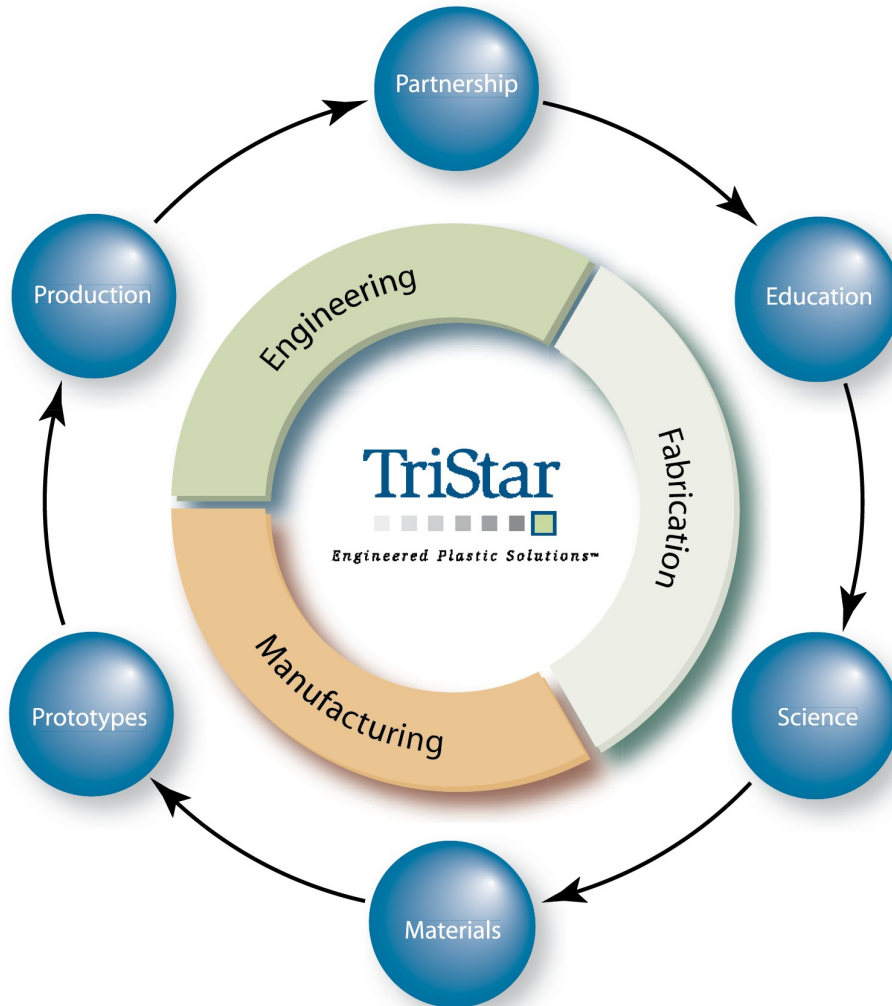


The
Advantage
is Clear

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™

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