



Article Side

Injection molding- the technology Used by [James Blee](#)

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The results of reaction injection molding (RIM) are evident everywhere. And the technology of RIM can be seen ingrained in everything right from tools and tractors to auto parts and machine parts. The equipment and the products to produce these items are nearly sixty years old in the world and the business is in operation for over thirty years in America. The story began when the automotive industry started using more reaction injection molding to build gaskets for panel and radial seal air filters. Polyurethane is the basic material used in RIM and as a low cost synthetic; it makes the manufacturing process convenient in comparison to many natural metals that were used earlier for the same purpose. Polyurethane products are an invaluable resource for today's industries due to their potential flexibility and toughness..

You will be surprised to learn that so many things that you come across in everyday life are made out of polyurethane. Now the interesting question is how those material things got that shape. It all comes from a mold, and a substance had to somehow get into that mold. This is how reaction injection molding gets its name. The reaction takes place when two liquid compounds namely: a resin mixture and a polyisocyanate component are rapidly supplied from separate tanks into a common mixing area. Afterwards, they undergo a chemical change and the mixture then flows into the mold.

This is the usual procedure employed by all injection molding companies to manufacture various items such as car hoods, automotive bumpers, fenders, bowling balls etc. We all know, global economy has now come into play, and many injection molding companies are working in sync to turn into game changers in this field. "StarPrototype" is one such model company based in China that has expanded its operations and included countries all over the globe

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