

FEEL THE THRILL

KNOW HOW THESE SPORTING AND RECREATIONAL GOODS ARE MADE

The secret to sporting and recreational goods is plastic injection molding in China. This process creates plastic products that need to be easy to handle, strong, and reliable.

HOW TENNIS RACKETS ARE MADE

Composite tennis rackets refer to those molded from plastic and reinforced with strong fibers. Its hollow frame is made through the process of plastic injection molding in China.



Step One: Forming The Frame

A metal with a low melting point is placed into the mold. Melted plastic is injected in surrounding the metalcore. Once cooled, the frame is heated again, causing the core to melt and run out, leaving a hollow frame.



Step Two: Drilling and Sealing

A drilling machine will drill string holes into the frame. The racket will then be brushed with a coating and dried.



Step Three: Stringing and Finishing

Additional covers and tapes are placed on the racket. The strings of the racket will be placed and secured by a machine. Then, it is inspected, packaged, and sent on its way.



HOW GOLF BALLS ARE MADE

A 2-piece golf ball is made up of two layers: the core and the cover. Through plastic injection molding in China, the covers of 2-piece golf balls are more durable than other styles.



Step One: Forming The Center

Various elements are combined to form a rubber type compound. Heat and pressure are applied for the core to take its shape.



Step Two: Forming the Cover and Dimples

The core is placed into a mold cavity. Melted plastic is injected in, surrounding the core. Heat and pressure merge the two and creates the dimpled shape.



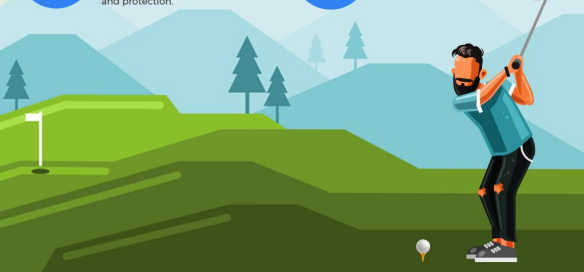
Step Three: Polishing, Painting, Final Coating

Golf balls are inspected and cleaned up. It will receive two coats of paint before being coated for better shine and protection.



Step Four: Drying and Packaging

The balls will then be dried, packaged, and sent to golfers around the world.



HOW BICYCLE HELMETS ARE MADE

Bicycle helmets are made from a combination of three components: a hard outer shell, a compressible inner liner, and assorted straps. The hard shell is made through plastic injection molding in China.



Step One: The Design Process

A design is sketched with previous styles in mind. Moldflow Analysis is used to detect any problems that may occur with the product's designs. Then, the company makes the necessary adjustments.



Step Two: The Hard Shell

Plastic pellets are fed into the plastic injection molding machine, effectively melting them down. It is then injected into the mold, forming the hard shell shape.



Step Three: Shell Painting and Decals

The helmet will then be painted with the client's preferred design. Spray-painting robots are utilized to make things faster and more efficient.



Step Four: The Inner Liner

Polymer pellets are melted and subjected to high pressure for them to expand. Once they do, the pellets will fill a mold that will bond the polymers together, creating the desired shape.



Step Five: Straps, Pads, and Quality Check

Straps and pads are attached to the helmet. The products are then sent to get their safety and quality checked before they are packed and shipped to awaiting customers.



RICHFIELDS

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