

Aluminum Die Casting History

Aluminum Die Casting has evolved from the original low-pressure injection method to techniques including high-pressure die casting. These modern processes are capable of producing high integrity, near net-shape aluminum die castings with excellent surface finishes.

Aluminum Die Casting has been around a long time. The earliest examples of aluminum die casting by pressure injection - as opposed to casting by gravity pressure - occurred in the mid-1800s. A patent was awarded to Sturges in 1849 for the first manually operated machine for die casting printing type. The process was limited to printer's type for the next 20 years, but development of other shapes began to increase toward the end of the century. By 1892, commercial applications included parts for phonographs and cash registers, and mass production of many types of parts began in the early 1900s.

Today, Aluminum Die Casting is used in many aluminum part manufacturing products, such as: Automobile parts, Airplane parts, Light Fixture parts and Hand Tool parts. There are Aluminum Die Casting manufacturing companies all over the world and in almost every continent. Look at the products in your home, car or where you work and notice the many aluminum die casting parts used in the products manufacture.