

# Die-Casting and CNC Machining

**We have the following kinds of products:**

## ◆ Aluminum Die Casting Parts

Aluminum die casting is a highly efficient process used to produce a wide range of components. This method uses metal aluminum or aluminum alloy as the main material, which can reduce weight in motorcycle manufacturing, wheel hub manufacturing and engine manufacturing. This improves fuel efficiency and overall performance. Additionally, aluminum die castings offer high dimensional accuracy and intricate details, making them the first choice for a variety of industrial applications.



## ◆ Zinc Die Casting Parts

Compared with gray iron, brass and aluminum sand castings, zinc alloy die castings exhibit excellent mechanical properties at room temperature, especially in terms of toughness and impact strength. This makes them an excellent choice for a variety of applications, including automotive parts and a variety of consumer products. The superior mechanical properties of zinc alloy die castings contribute to their durability and reliability, making them the material of choice for a variety of manufacturing needs.

### Advantages of zinc alloy die casting:

- Improved casting properties
- Shorten the cycle time
- Extend the life of the mold
- Ideal mechanical quality



## ◆ Metal Stamping Parts

Teknic's stamping process uses state-of-the-art precision metal stamping machines to ensure high-quality results. Materials used in this process include phosphor bronze, stainless steel, copper, beryllium copper, cold-rolled steel and aluminum for versatility and reliability. With metal thicknesses ranging from 0.002 inches to 0.180 inches, Teknic's stamping processes are suitable for a variety of applications, providing precision and consistency in the production of a wide range of components across a variety of industries.



## ◆ CNC Machining Parts

This high-precision CNC machined aluminum component is anodized to enhance its durability and rust resistance, making it suitable for use in demanding working conditions. Meticulous CNC machining ensures exceptional precision and quality, meeting strict industry standards. Anodizing further improves the part's corrosion resistance, making it ideal for applications where durability and reliability are critical, such as aerospace, automotive and industrial equipment.

