## **Deep Drawn Stamping Process**

	Deep Drawn Stamping Process QRCode
Address	Room1309-1310,3# Building, Jingguizhongxin, Shicheng Road
<b>Contact Person</b>	Yufu Zheng
Mobile Number	13513483870
Email	zhengyufu2022@gmail.com

<u>Deep drawing</u> is one of the most important and widely used methods of metal forming. Metal deep drawing parts is the process of forming flat metal into a mold to create precise, usually cylindrical parts. It is a method of metal fabrication in which a sheet of metal, called a blank, is formed into a geometric shape by feeding a roll of flat metal into a press with tooling stations, each of which performs a repetitive operation on the metal. metal deep drawing parts are hardware parts that are manufactured by the deep drawing stamping process.

Advantages of deep drawing technology

- Deep drawing stamping offers many advantages over other metal forming processes. The press is designed to operate at high speeds and can be equipped with automatic feeders to increase efficiency. Deep drawing stamping is one of the fastest manufacturing methods for high volume production.
- Deep drawning parts are also formed in one piece, which reduces the need for additional assembly. This has the added benefit of seamless construction and is ideal for waterproof or airtight applications.
- Deep drawn stamping is highly versatile and can be used to create complex, detailed parts with superior accuracy and repeatability.
- Deep drawn parts are extremely robust due to the extreme amount of compression applied to the metal during the forming process. The basic structure of deep-drawn metal is often highly compressed into a very hard crystalline structure.
- The processes, materials, and equipment used in deep drawing are cost-effective compared to older methods of forming metals and alloys into defined shapes.

Process of metal deep drawing parts

Deep drawing stamping is the process of forming sheet metal into cavities under compression and tension to produce cups or cylinders with closed bottoms, round or irregular shapes.

As the material is dragged across the radius of the die and down into the die, it is effectively forced into a plastic state. This compression process is accomplished under calculated and very controlled conditions,

including blank clamping pressure, punch and die radius, punch speed and lubrication.

The end result creates a hollow container that can be essentially cylindrical or square/rectangular in shape.

Deep drawn products vary in size from very shallow (requiring a single stretching operation) to very deep (requiring multiple stretching and re-stretching operations).

Deep drawn parts are versatile and can be used in a variety of industries - from electronics to automotive and refrigeration, plumbing and lighting. Deep-drawn items include assembly housings, industrial tanks, pressure vessels, and fire protection devices. More "everyday" items are electrical parts, containers, kitchen sinks and fire extinguishers.

Deep drawing is a highly specialized process in metal stamping that requires the proper stamping equipment and engineering expertise. We can manufacture deep drawn aluminum components and parts and our goal is to continue to provide quality service to many industries. We are an ISO certified company, ensuring compliance with our customers' needs.

For more details, please visit https://www.eqlic.com/detail/deep-drawn-stamping-process-east-new-york-356569