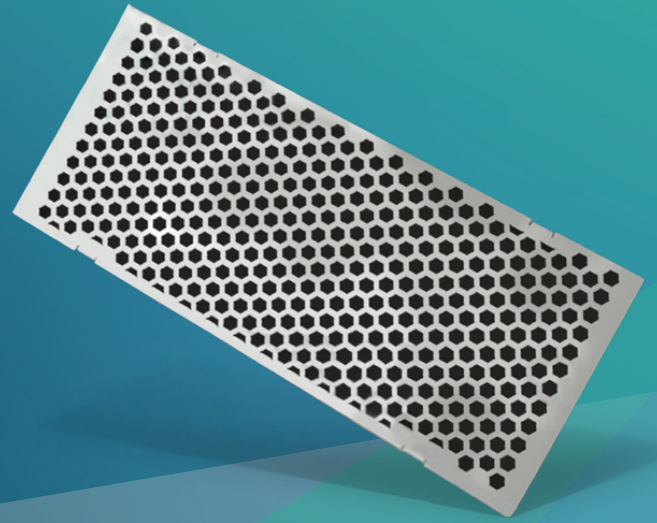


Sheet Metal

3D Systems On Demand Manufacturing Parts services supports projects from simple bent sheet metal prototypes of brackets, base plates, clips, clamps, covers and other formed metal parts, to production runs of complex, multi-part electro-mechanical assemblies.



Our state-of-the-art sheet metal fabrication facilities vertically integrated metal forming, laser cutting/punching, CNC machining, welding and finishing cells to support both prototype and production runs of high-quality sheet metal enclosures and housings for dental, medical, electronics, lighting, consumer products, and other applications.

- Short lead times
- Ability to handle demanding projects, e.g. full prototype assemblies



Lead Times

Standard: 4 – 7 days



Dimensional Limitations

Material thickness:
0.025mm – 6mm | 0.001" – 0.250"

Bent part sizes:
91mm x 91mm x 150mm | 36" x 36" x 6"



Applications

Prototype enclosures and housings for:

- Dental
- Medical
- Electronics
- Lighting
- Consumer products



Materials

3D Systems is able to process a wide range of metals including:

- Aluminum
- Titanium
- Carbon Steel
- Brass
- Beryllium Copper
- 17-7 PH
- Spring Steel
- Stainless Steel
- Copper
- Nickel Alloys
- Phosphor Bronze



Finishing & Post Processing

3D Systems has a network of part finishing and assembly facilities, so we can provide the level of finish and post manufacture process you require: from painting, plating, anodizing and heat treatments to welding, riveting, tapping and screen printing.

General Properties

- Wide range of metal options
- Tolerance comparable to die tooling
- Prototype assemblies in as little as 7 – 9 days
- Domestic & off-shore production facilities
- Variable quantities: from "one-off" to series production

Contact our team to explore the options best suited to your project's requirements