



3D Printing & *Rapid Prototyping*

Seifert Technologies has been designing products and machines for over 30 years. In addition to our solid modeling expertise, we can offer 3D printing to our clients. One of the most significant advantages of 3D printing technology is rapid prototyping. Rapid prototyping is the ability to design, manufacture, and test a customized part in as little time as possible. Also, if needed, the design can be modified without adversely affecting the speed of the manufacturing process. Shifting from the 2D world to physical parts accelerates product development and lowers cost. 3D parts that you can touch and feel improves design communication, so you can make better decisions faster.

3D printing allows the creation and manufacture of geometries impossible for traditional methods to produce, either as a single part, or at all. Such geometries include hollow cavities within solid parts and parts within parts.

In your company's manufacturing process, is there a need for jigs, fixtures, gauges, or patterns? We can make them. Save time and money by 3D printing these parts instead of machining, fabricating, molding, or casting them. 3D Printing not only reduces time and cost for manufacturing tools, but it can also improve your assembly process. Layer-based production gives you the freedom to design more complex shapes that make manufacturing more efficient.

Applications:

Concept Models:

- Review Fit and Form

Functional Prototypes:

- Performance Tests
- Engineering Assessments

Manufacturing Tools:

- Jigs
- Fixtures
- Gauges
- Patterns
- Molds
- Dies

Materials:

- ABS Plastic
- 17-4 Stainless Steel
- Aluminum
- Maraging Steel