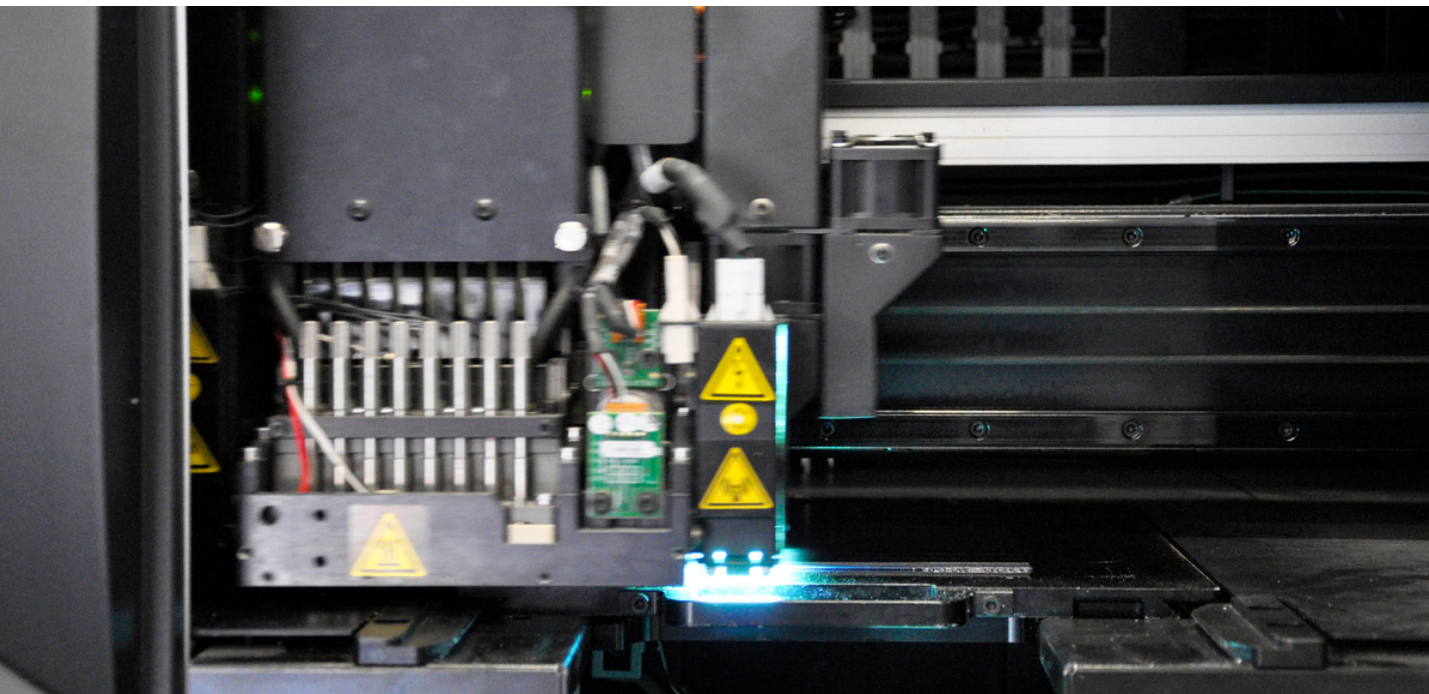


Where does 3D printing fit within the manufacturing industry?



Faster Design, Modification and Production

The Manufacturing industry are utilising 3D printing in a wide range of applications. They are supporting lean manufacturing strategies by 3D Printing their manufacturing tools on demand. These custom tools that are printed directly from CAD can be ready for use in as little as a day.

Stratasys & Desktop Metal 3D Printers are helping empower manufacturers to reduce investment and part costs, maximise assembly line efficiency, reduce the weight of product tools and helps you stay one step ahead of industry challenges.



Manufacturing Aids

Manufacturers rely heavily on highly customised manufacturing aids like jigs and fixtures to ensure quality, efficiency and worker safety. 3D printing manufacturing aids streamlines and enhances the production of these tools, resulting in greater productivity and better ergonomics.

Composite Tooling

The use of FDM for composite tooling has demonstrated considerable cost and lead time reductions whilst providing greater design freedom and more rapid iteration, regardless of part complexity. 3D printing composite tooling provides disruptive value to composite part manufacturers and enables innovation.

Injection Molding

Injection Molding is the most widely used manufacturing process for plastics. Utilising Stratasys PolyJet technology injection molds can be quickly produced to evaluate prototype parts or produce low volumes of end use parts.

Mold Tooling

With Stratasys thermoplastics and polymers, molds can be quickly produced to evaluate prototype parts or produce low volumes of end use parts. 3D printing mold tools is especially useful to test the design, fit and function of products before mass production.



Casting Patterns

Stratasys FDM & PolyJet technologies and materials produce innovative casting patterns that provide consistency and quality in cast components, both in terms of prototyping and low volume production.

Forming Tools

Using production-grade FDM thermoplastics, 3D printed forming tools can get you from tool design to production in as little as a week. Many tools can be 3D printed in less than 24 hours with no human interaction.

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