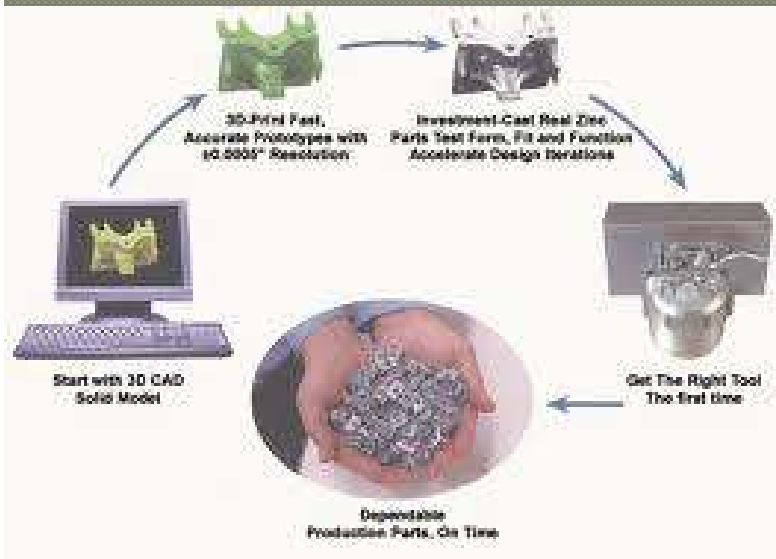


Rapid Prototype.

Kodie Houghton.



The inventor of the Rapid prototype.

The designer and inventor of the Rapid Prototype was a business known as the Valencia. The business is located in Californian, USA.



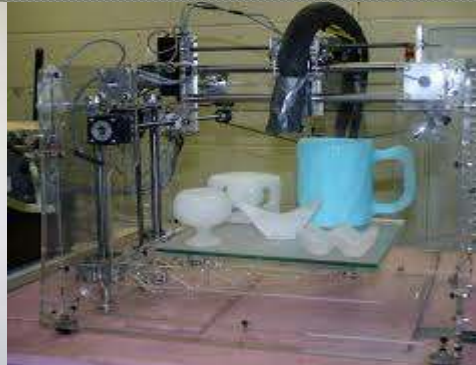
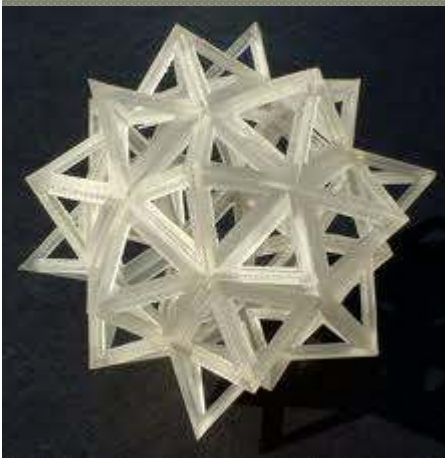
The process, product, and system of the Rapid Prototyping.

- A CAD model is constructed, then converted to STL format. The resolution can be set to minimize stair stepping.
- The RP machine processes the .STL file by creating sliced layers of the model.
- The first layer of the physical model is created. The model is then lowered by the thickness of the next layer, and the process is repeated until completion of the model.
- The model and any supports are removed. The surface of the model is then finished and cleaned.
- http://www.efunda.com/processes/rapid_prototyping/intro.cfm
- The product of Rapid Prototyping, is parts of many different machines. It's a 3D model created by RP.



The Rapid Prototype.

The Rapid Prototype was invented in the 1987, but improvements to the RP was made during the 90's but the first actual RP was created and built in April of 2000, and this is the one that makes 3D models.



Rapid Prototype created.

The RP, rapid prototype, was developed by 3D Systems of Valencia, CA, USA. The company was founded in 1986.



Stereolithography (SLA)

Why was Rapid Prototyping invented?

- To increase effective communication.
- To decrease development time.
- To decrease costly mistakes.
- To minimize sustaining engineering changes.
- To extend product lifetime by adding necessary features and eliminating redundant features early in the design.
- http://www.efunda.com/processes/rapid_prototyping/intro.cfm

