

Review Paper on Rapid Prototyping of Application use in Aerospace Industry

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Abstract: The Term “Rapid Prototyping” (RP) refers to a class of technologies that can automatically construct physical models from Computer-Aided Design (CAD) data or is a group of techniques used to quickly fabricate a scale model of a physical part or assembly using three-dimensional computer-aided design (CAD) data. The “three-dimensional printers” allow designers to quickly create tangible prototypes of their designs rather than two-dimensional pictures. Such models have numerous uses. They make excellent visual aids for communicating ideas with co-workers or customers apart from design testing. For example, Aerospace Engineer might mount a model aerofoil in a wind tunnel to measure lift and drag forces. 3D printer is the method of converting 3D design into reality. Firstly define what is meant by 3D printing & what is significant of it. 3D printing technology is also called as rapid technology in which three-dimensional objects are created. In this technology, there are three steps followed for any 3D printing Model viz. designing, printing & finishing. With this technology, we save time and cost and also it saves the waste of material.

Keywords: Rapid Prototyping, Computer-Aided Design

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