

3D Modeling a Robot Wheel

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Abstract

A Computer Aided design system is a combination of hardware and software that enables engineers and architects to design that allows them to view and print to specifications. Autodesk inventor is a 3D mechanical solid modeling design software developed to create 3D digital prototypes. It can be used for 3D mechanical design, design communication, tooling creation and production simulation. This software enables users to produce accurate 3D models to aid in designing, visualizing and simulating products. 3D printing or additive manufacturing is a process of making three dimensional solid objects from a digital file. Inventor allows you to create a three dimensional object that can printed by using an additive process by laying down successive layers of material until the entire object is created.