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The book ends with a general chapter about 3D printing (including considerations for choosing a 3D printer), and a general chapter about CNC fabrication (which requires computer-aided-design (CAM) software and a Computer Numerical Control router--a machine that cuts or carves sheets of wood, plastic, glass, nonferrous metal, foam, and wax).

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*3D Printing and CNC Fabrication with SketchUp: Cline ...*

CNC machining can manufacture bigger products and can handle heat-resistance. 3D printing has more niche categories, such as printing food or working in space. CNC Machining vs. 3D Printing According to World Finance, 3D printing is not a solution that can replace CNC machining . 3D printing is a part of the manufacturing world, but it's not ...

*CNC Machining vs 3D Printing | Similarities & Differences*  
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CNC Fabrication. Our in-house CNC fabrication capabilities are an integral part of our overall design process. Datum3D engineers utilize these CNC manufacturing tools daily as part of the product development cycle. This allows them to quickly fabricate a component for design confirmation and tactile verification.

*Functional Prototyping, CNC  
Fabrication & 3D Printing in*

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CNC milling technology has

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Sketchup existed ever since MIT introduced it in the 1950s. CNC routing is essentially the reverse of 3D printing. Instead of using a computer to control the armature and print head that layers substance in three dimensions, CNC routing utilizes a drilling tool to carve materials. This is basically the difference between making a sculpture out of clay and carving it from marble, only in this case, there's a robot doing it instead of a human.

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Subtraction. When using a CNC machine, one is starting with a piece of defined stock (or blank) and using cutting tools to remove excess material so that what is left over is the finished part. This process is known as subtractive manufacturing.

*CNC Machining Vs 3D Printing*  
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*3D Printing and CNC Fabrication with SketchUp by Lydia ...*

Getting in Gear with 3D Modeling! Lydia Sloan Cline teaches digital modeling for fabrication, 3D printing, and drafting courses at Johnson County Community College in Overland Park, KS. She is the author of eight books on those subjects and is constantly creating things with her

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