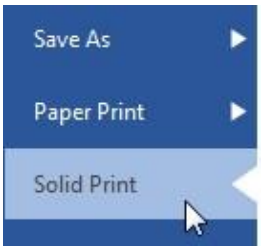
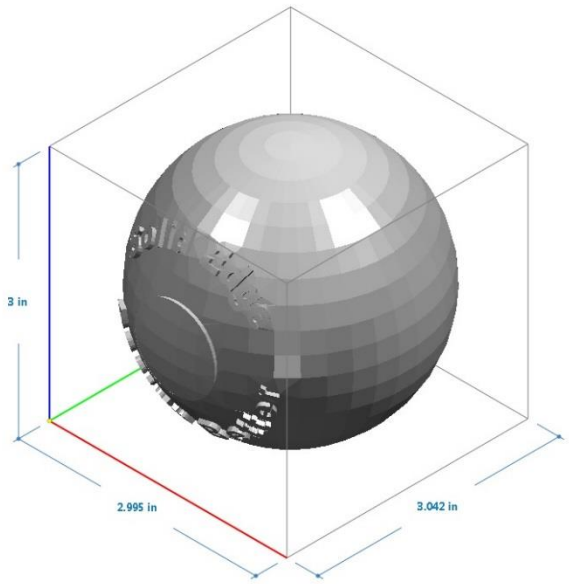
3D Printing from Solid Edge ST9

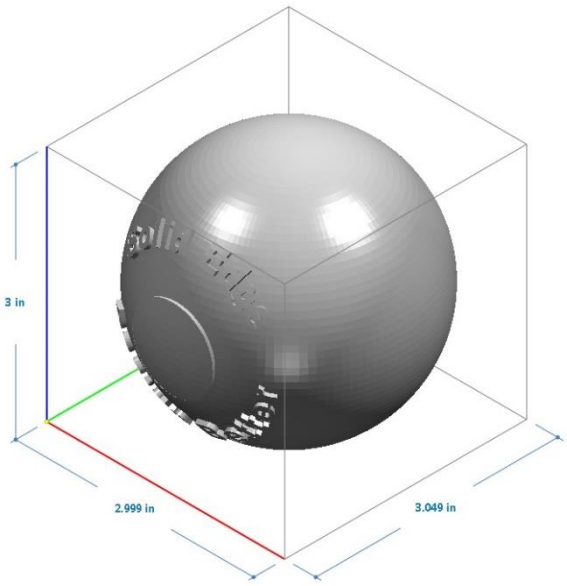
A new dedicated command to print solid bodies, also known as 3D printing or additive manufacturing, has been added to Solid Edge ST9. The command is called Solid Print and it can be found under the Application button.



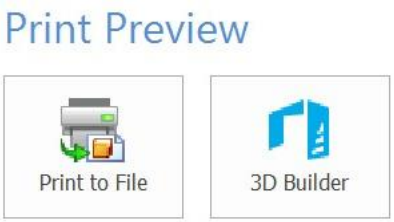
Solid Print lets you define the conversion tolerance that controls the print output quality, showing a shaded preview of the part with the accurate mesh size, as it would be printed. The preview also displays the length, width and height of the result, so you have all the information you need to make sure it will fit the printer and get the correct 3D model printed.

The two pictures below show the same model preview using difference conversion tolerances. The one on the left used a conversion tolerance of 0.01 inches. The one on the right was created with a tolerance of 0.001 inches. It is pretty easy to see how the conversion tolerance affects the quality of the result.





If you have Windows 10, you can send your printout to Microsoft 3D Builder which interfaces directly with many 3D printers in the market. If you don't, you can use the *Print to File* option which outputs a STL file that you can read from your 3D printer driver.



Solid Edge and the new Solid Print interface for 3D printing make it much easier and quicker for you to get your designs and ideas created and printed.

Marcelo Martins