

Using Text to Engrave



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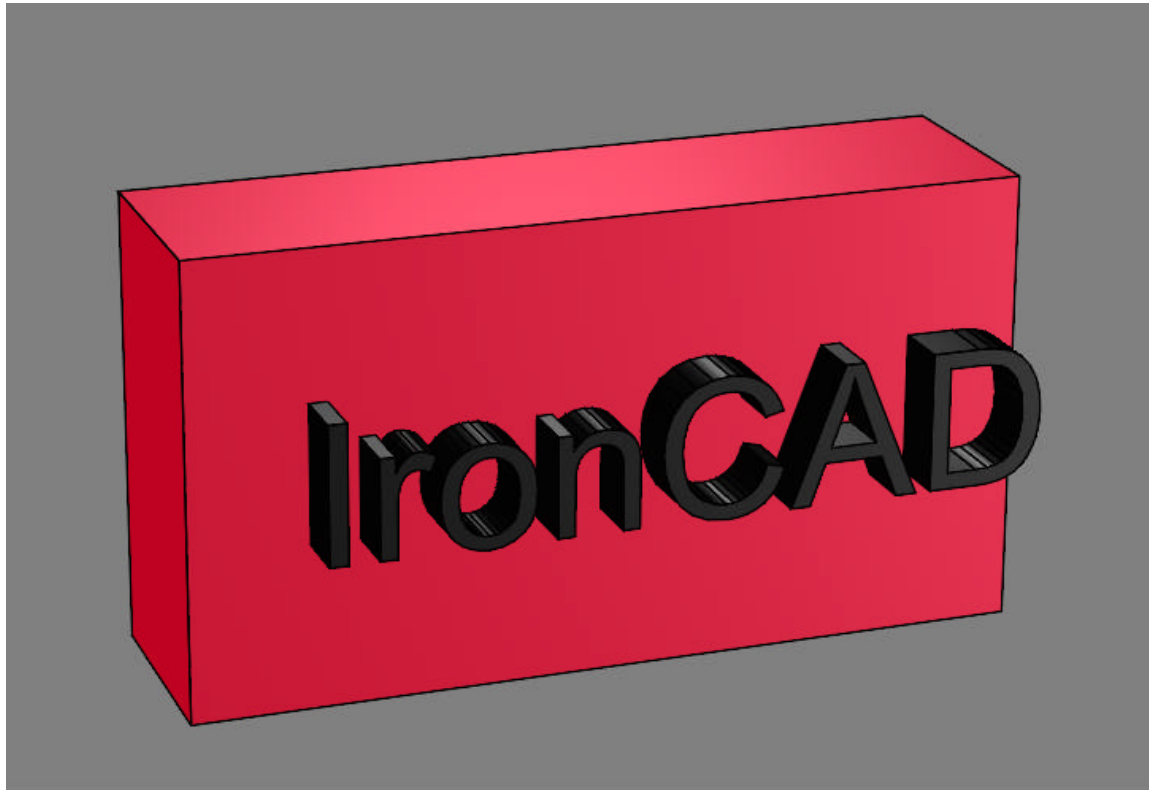
Note: This tutorial was created using IronCAD 3.2 and service pack 1 therefore may vary slightly in a different version.

This is a common question I have answered on the Support line and decided I would share it with all. It is really quite simple as long as you know the right technique.

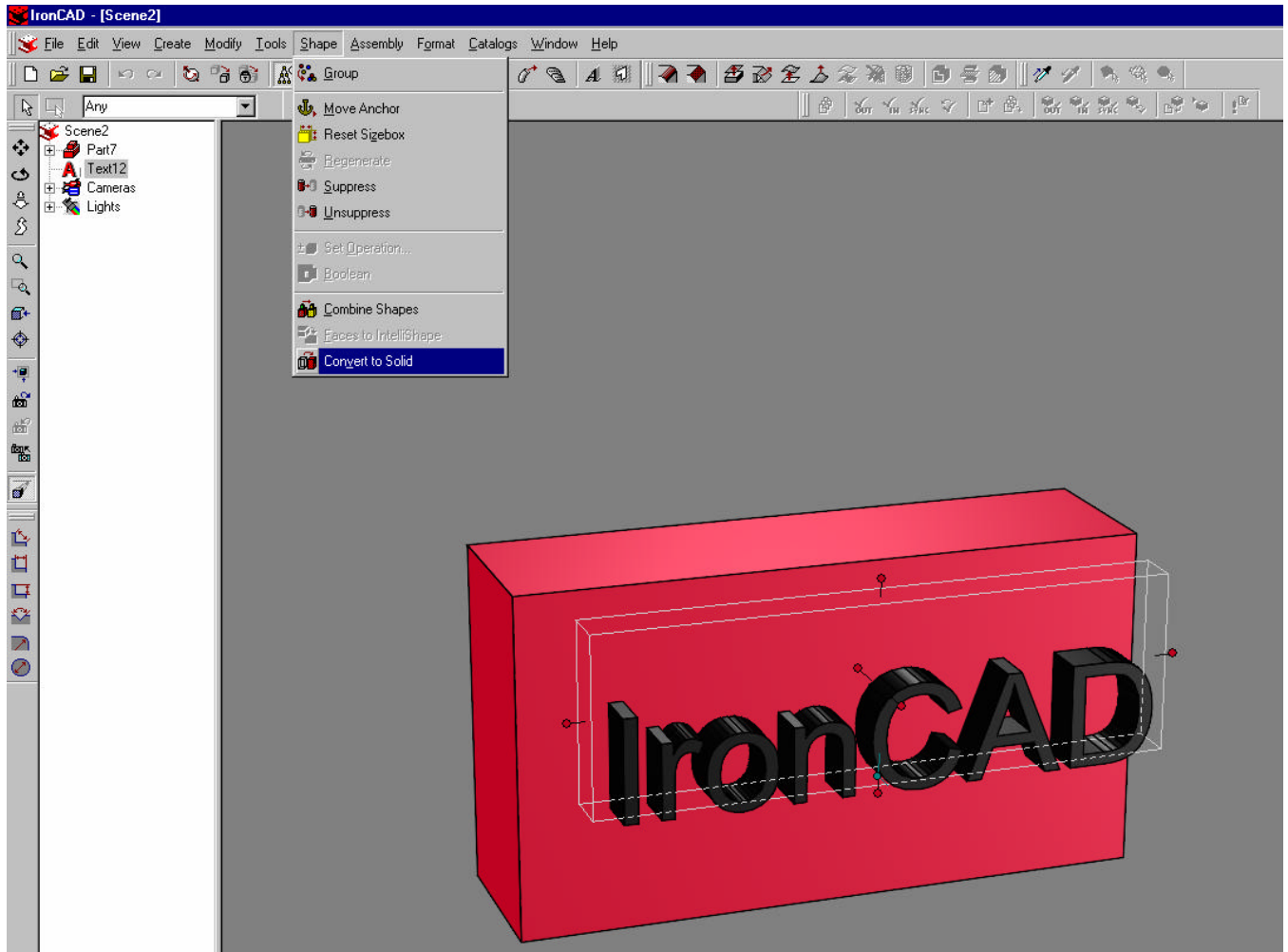
These techniques I have outlined in this tutorial and will consist of converting text to solid data format and using the Boolean command to implement.

Lets begin, we will take the KISS approach to this so lets start with a block from the Shapes catalog and Text that can be created by clicking on Create, Text. Define the text to read whatever you want.

(The size of the box and text are arbitrary and any size will work.)

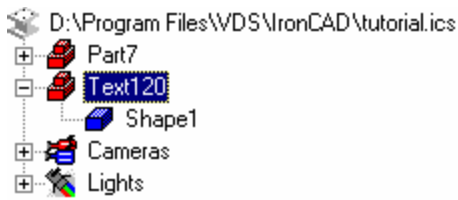


In order for this to work we must first convert the text into a solid.
Select the text, click on the Shape menu and choose “Convert to solid”

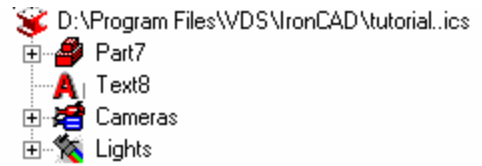


Note: The text 's position will change after it has become a solid and that is ok.

Now that the text is a solid it has its own part entry into the Scene Browser where before it was not considered a part.

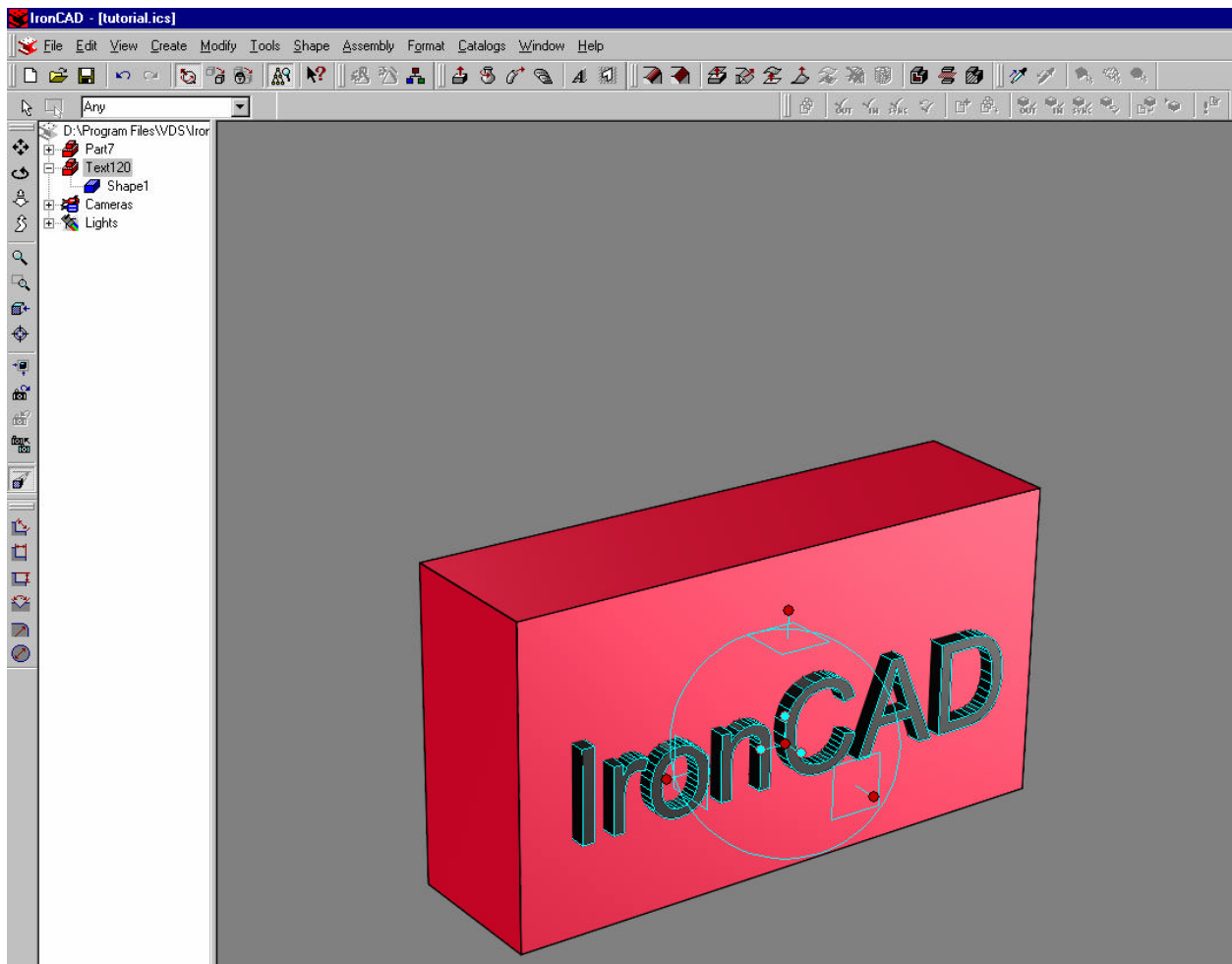


After Converting to Solid

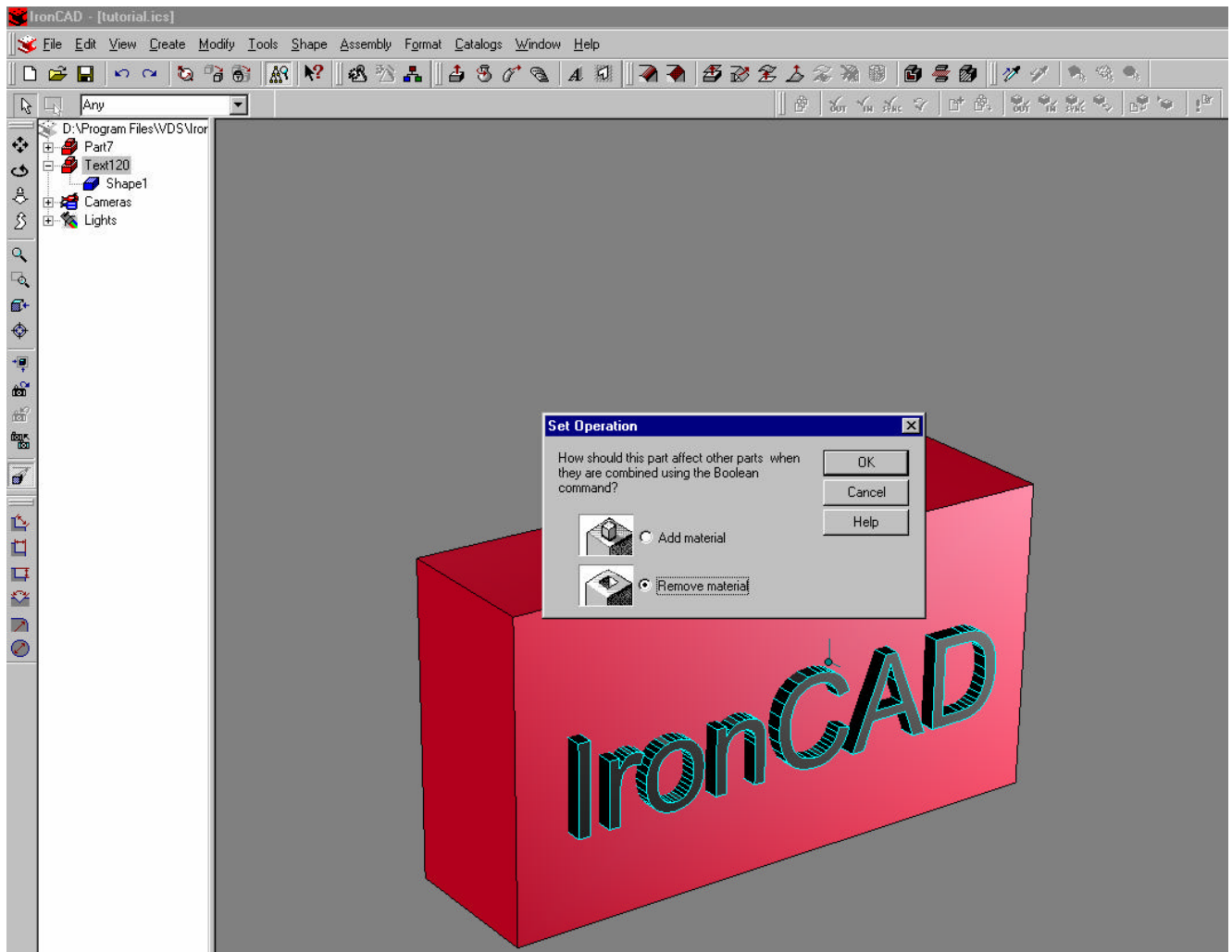


Before Converting to Solid

The next step is to position the text on the surface in which we want to engrave. Use the TriBall to position the text on the surface so that the text penetrates the face of the block. The distance you set by penetrating the text into the block will determine the depth of the engraving.

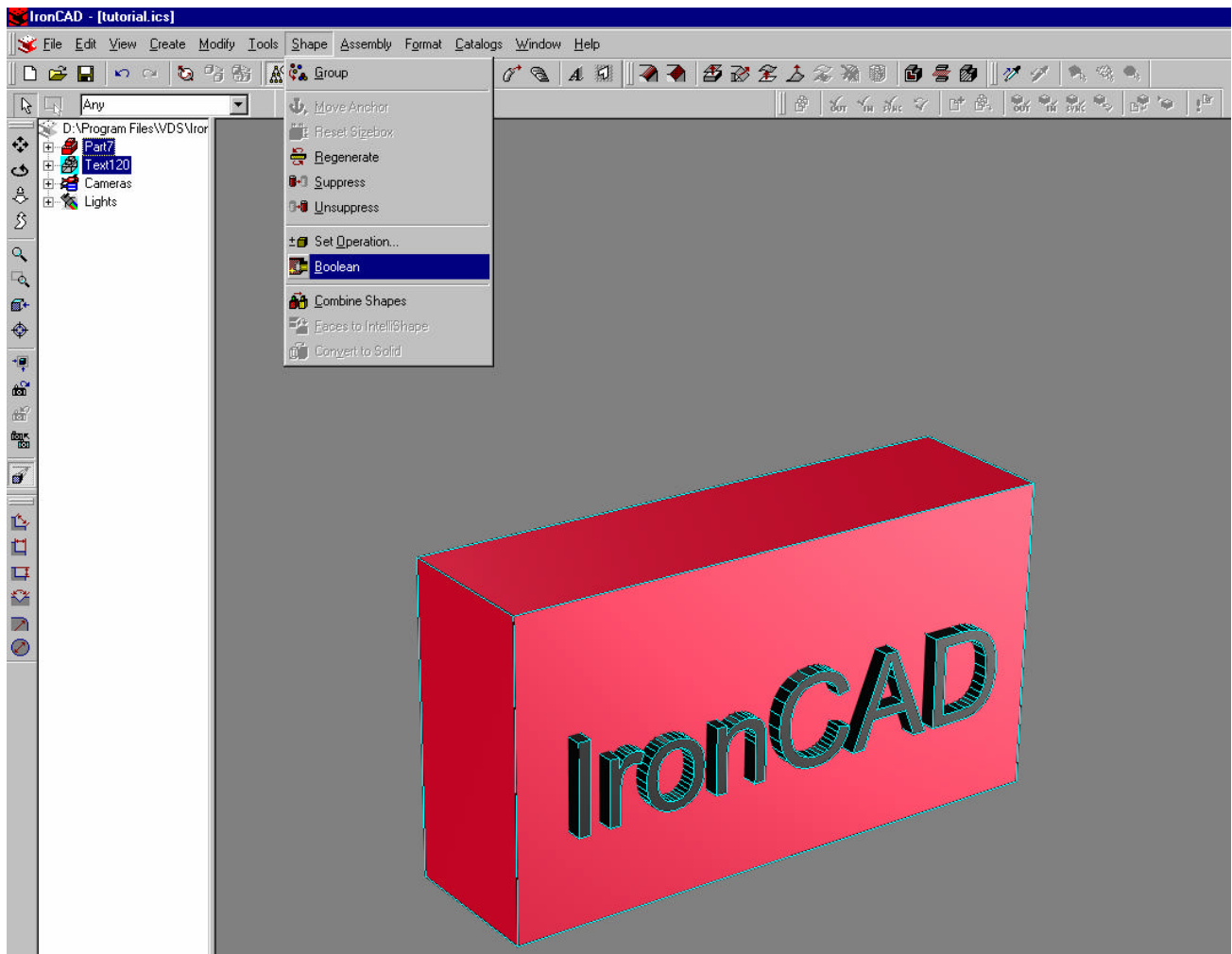


The next step in our operation is to select the text, click on Shape, select Set Operation, Remove material.



It is now time to use the Boolean operation to create the engraving.
With the Scene Browser open select first the Part and hold down the Shift key and then select the Text second. (*Note: The parts must be selected in this order*)

Click on the Shape menu and choose Boolean.



Here is the finished operation. It was really quite simple as long as you know the exact steps to follow.

These same general steps can be used to create any kind of text engraving and your choice of fonts to be used to create the engraving are plentiful.

