Designing with xTool Studios

Creating 3D Boxes

In the applications tab on the left side column (3 squares and a diamond) there is a “box generator” option. Xtool has a few built-in box templates that you can choose from and modify to suit your needs

If the provided box templates are not what you are looking for, there are multiple websites that can generate or find different box shapes

1. boxes.hackerspace-bamberg.de/boxes.py is a good one to use since it has many different boxes to choose from and you can change the dimensions of those boxes to fit the sizes you need (Don’t make them too large or the cut outlines won’t fit in the XTool)
2. atomm.com is a design website with many other people's creations that can be used to find cool and interesting lasercut designs (results can be filtered to only show free items)

Once you have the box file you want and you have put it into the

XTool, DO NOT change the size of the shapes. If it does not fit within

a single board you can try having two boards in the machine and you

can reorganize the shapes to fit in a different configuration. The

shapes may be set as a multiselect and if they are you can ungroup

them with the button on the far right of the top tool bar.

Creating Custom Cutouts

1. Find and import your shape
2. With the shape selected, click “edit” at the right side of the top bar
3. On the left menu that opened, click “Ai Cutout”
4. Click “Manual Cutout” in the top left corner
5. Using the magic wand and eraser, remove the background of the image and any inside parts of the shape that would be unnecessary and click confirm
6. Click “Trace” in the same menu as the “Ai Cutout” option
7. Leave the settings as is and click “Save”
8. A new object will be created that is the outline of the object you chose, this object has the “Score” and the “Cut” options in addition to the usual “Engrave” option

Vector Training

Vector Training Tutorial

Article on Vector Nodes