

LightBurn Design For Rotary Engraving

Creating a design for a rotary unit print is mostly the same as doing a design for a flat object with the exception that you will be doing engraving only. Any cylindrical object can be engraved. I.e., glasses, wine bottles, wooden dowels, and any of the insulated stainless steel drinkware products. For the insulated drinkware, you will be removing the powder coat skin. For other objects, you will be engraving the same as you would on a flat surface.

The following tools will help when doing rotary engraving:

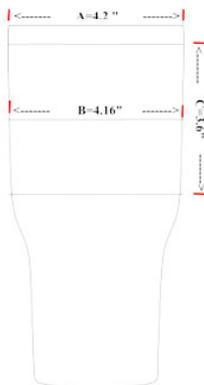
Fabric Ruler
6" flexible ruler
Calipers
Spray Cleaner
Magic Eraser
Painters Tape
Level

Before starting your design, several measurements need to be made.

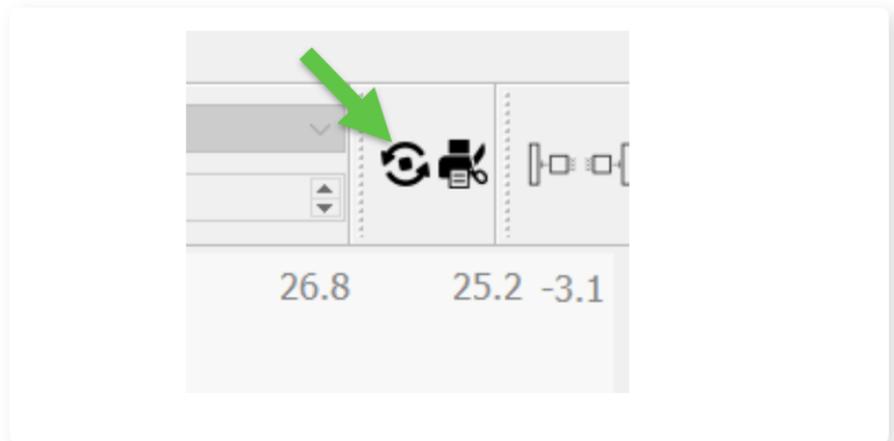
1. The diameter of the driven end of the work piece (the right end of the rotary fixture is the driven end). Record this as variable A.
2. The diameter of the engrave area. Record this as variable B.
3. The height of the engrave area. Record this as variable C.

Other considerations to note is if the piece has a logo you need to work around. I.e., the Yeti logo on an insulated mug. The center of your design should align with the center of the logo.

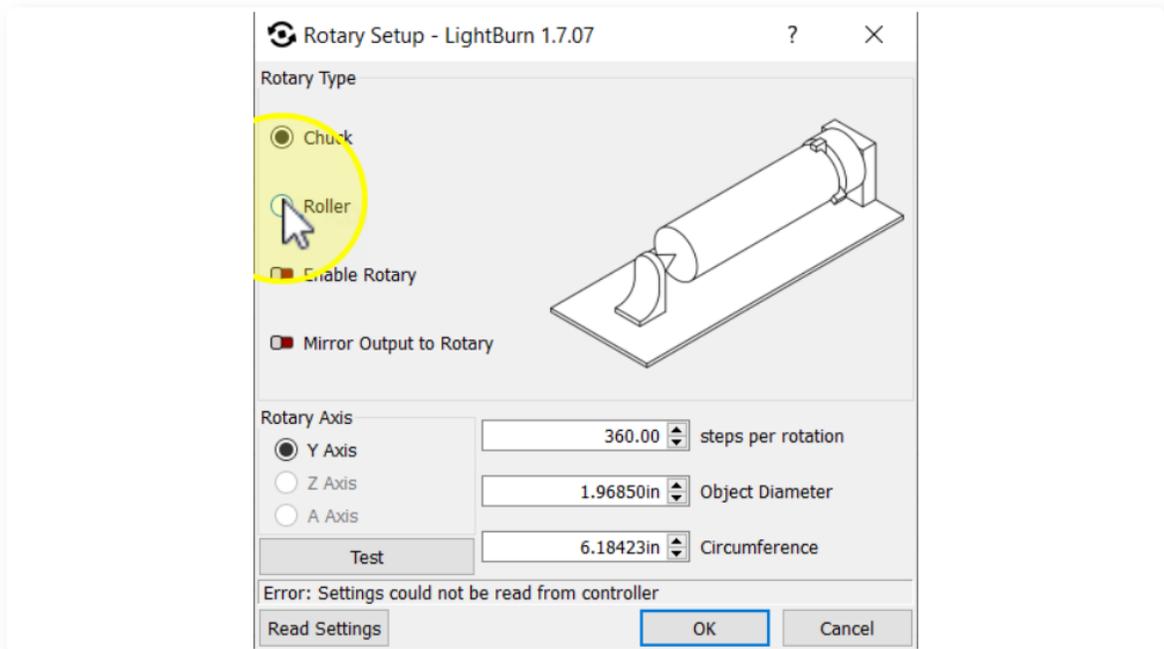
For this tutorial, you will create a design to engrave on a 40 oz. insulated tumbler that has a powder coated skin.



1 Select the Rotary tool icon at the top



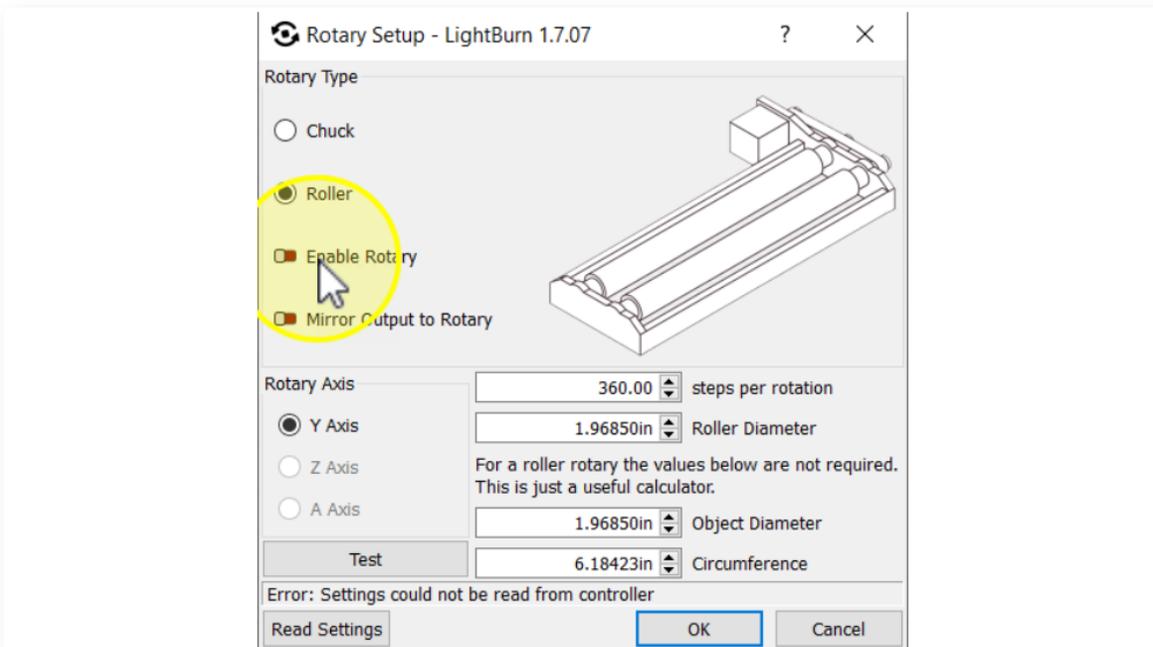
2 Select Roller



3

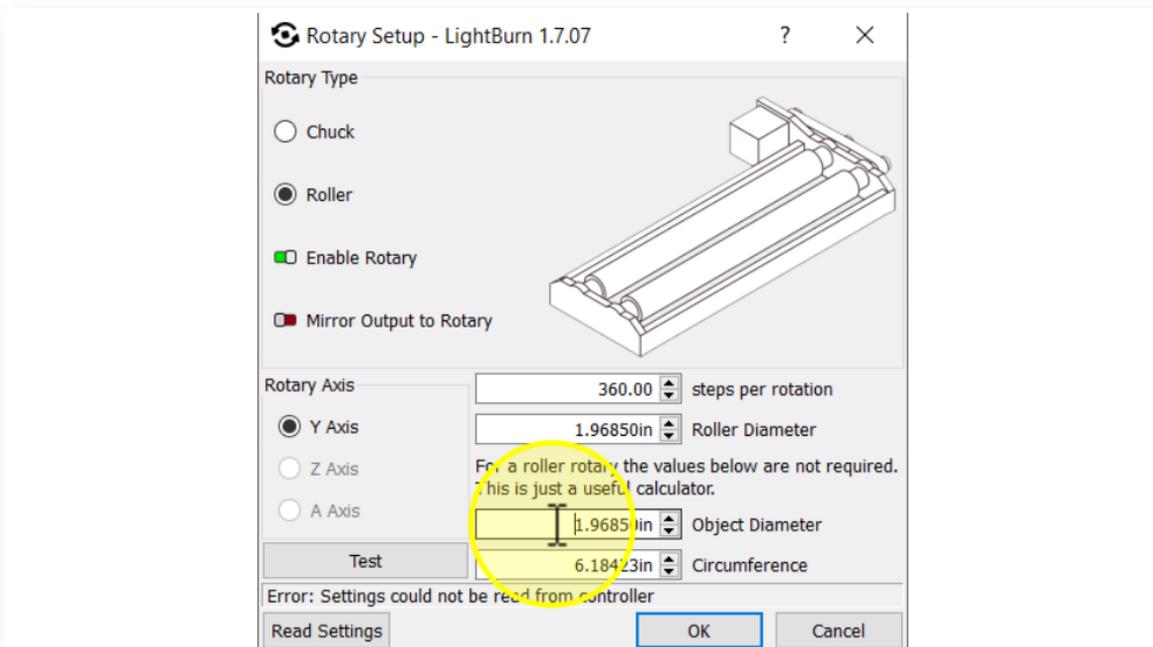
Click Enable Rotary

NOTE: Do not change values of steps per rotation or Roller Diameter

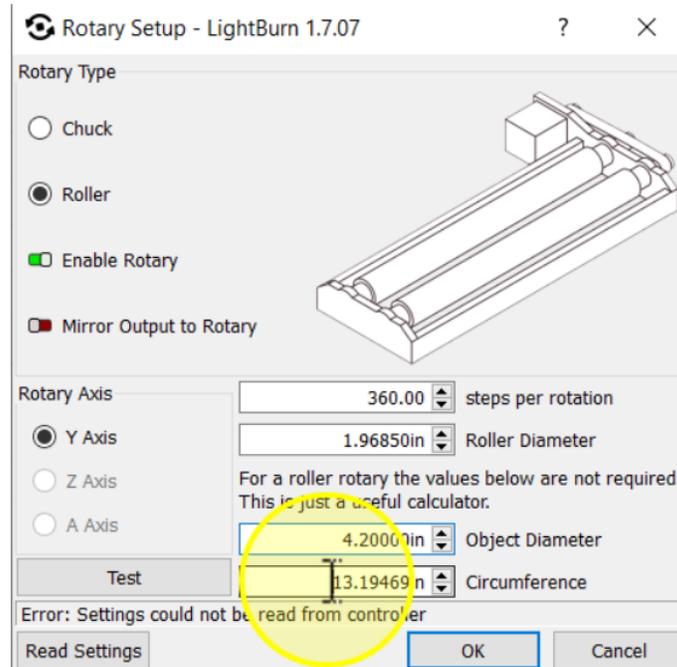


4

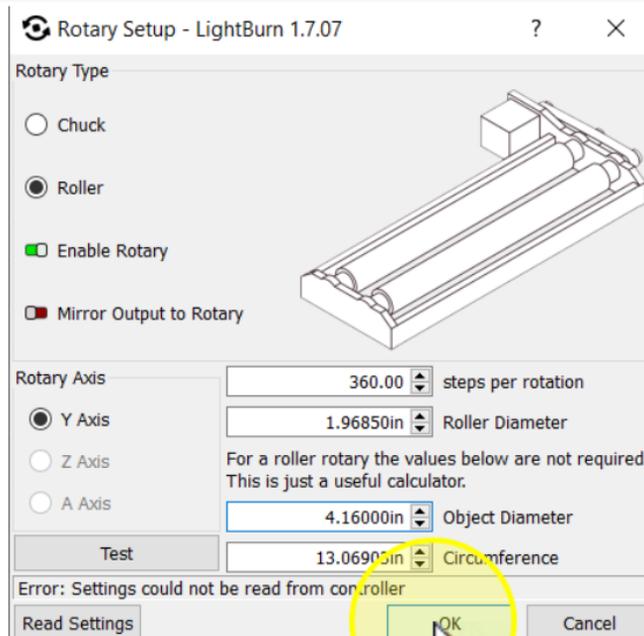
Enter the measurement of variable A and B to calculate circumference



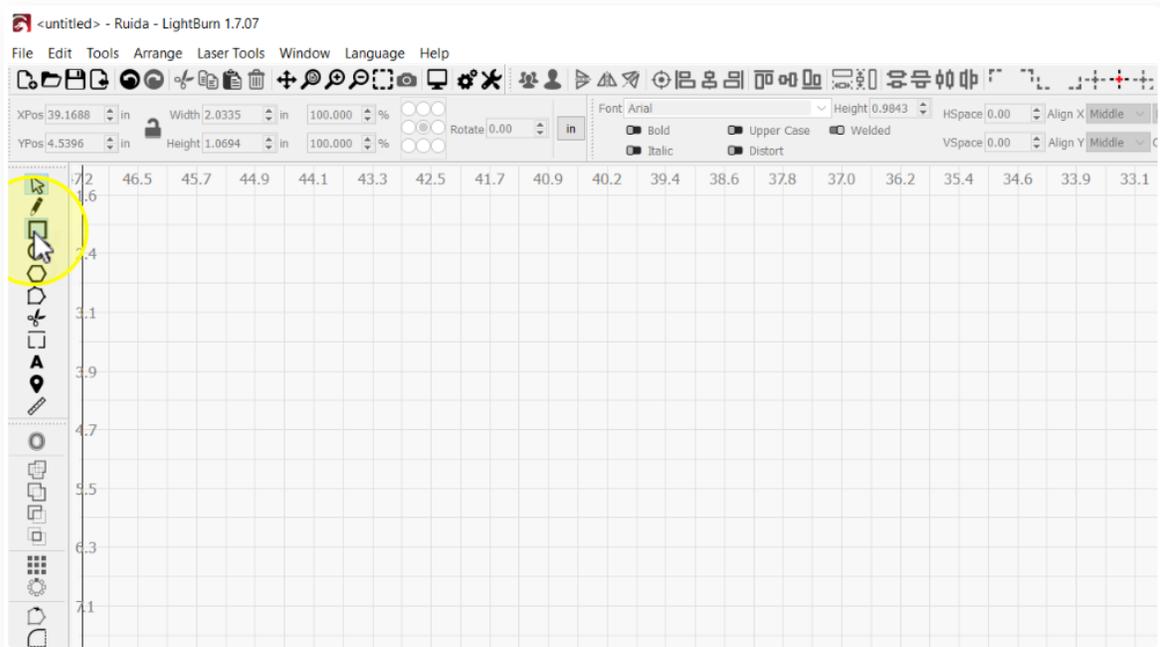
Variable A = 4.2 in = 13.194 in, Variable B = 4.16 in = 13.069 in



5 Click OK to continue



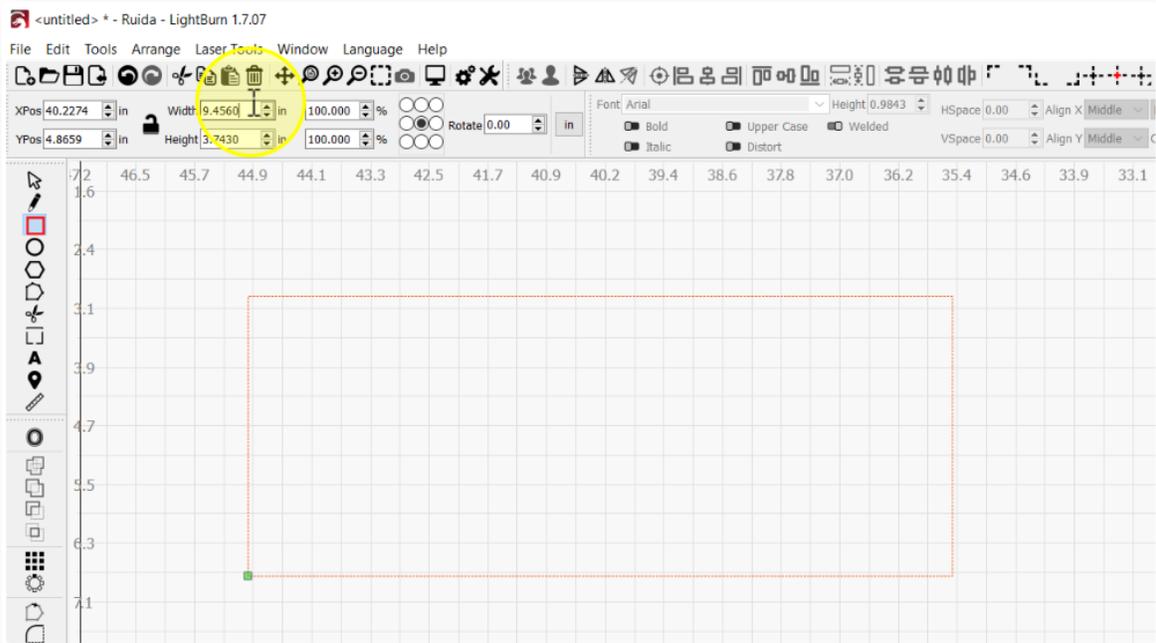
6 Select the rectangle tool



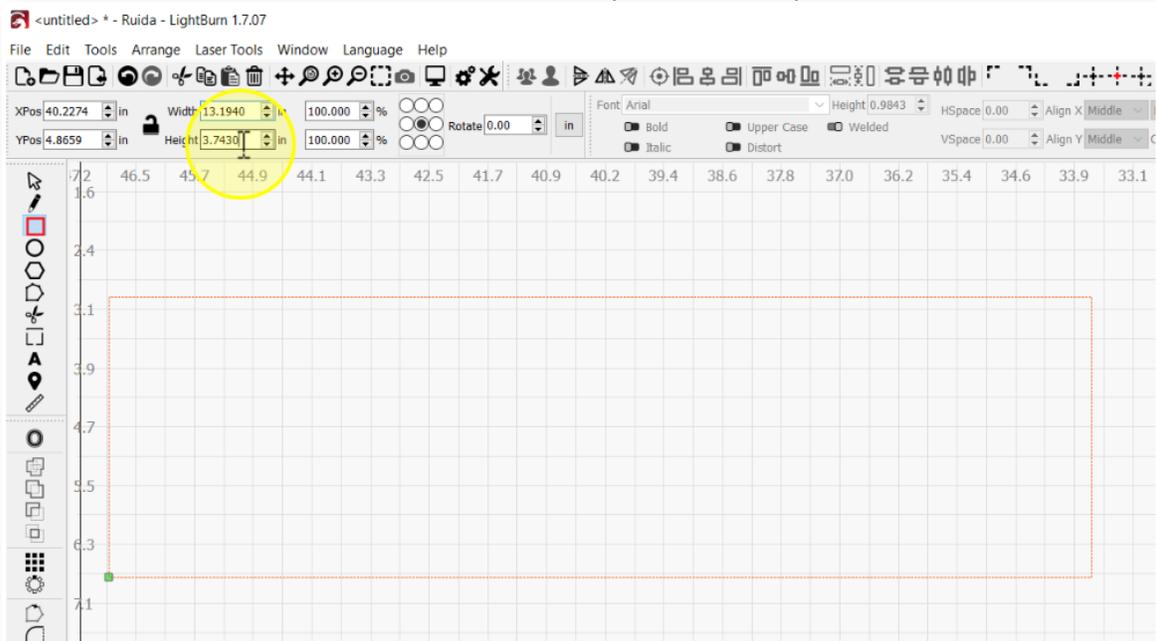
7 Click on the T1 to create the frame layer



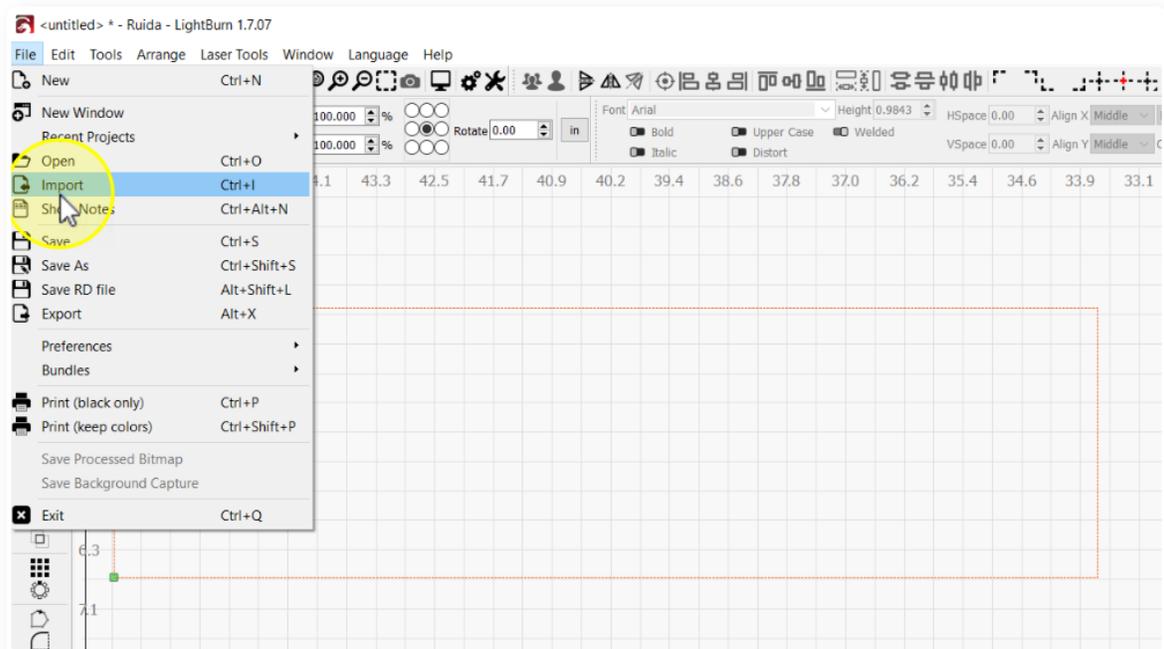
8 Draw out a rectangle for the frame.



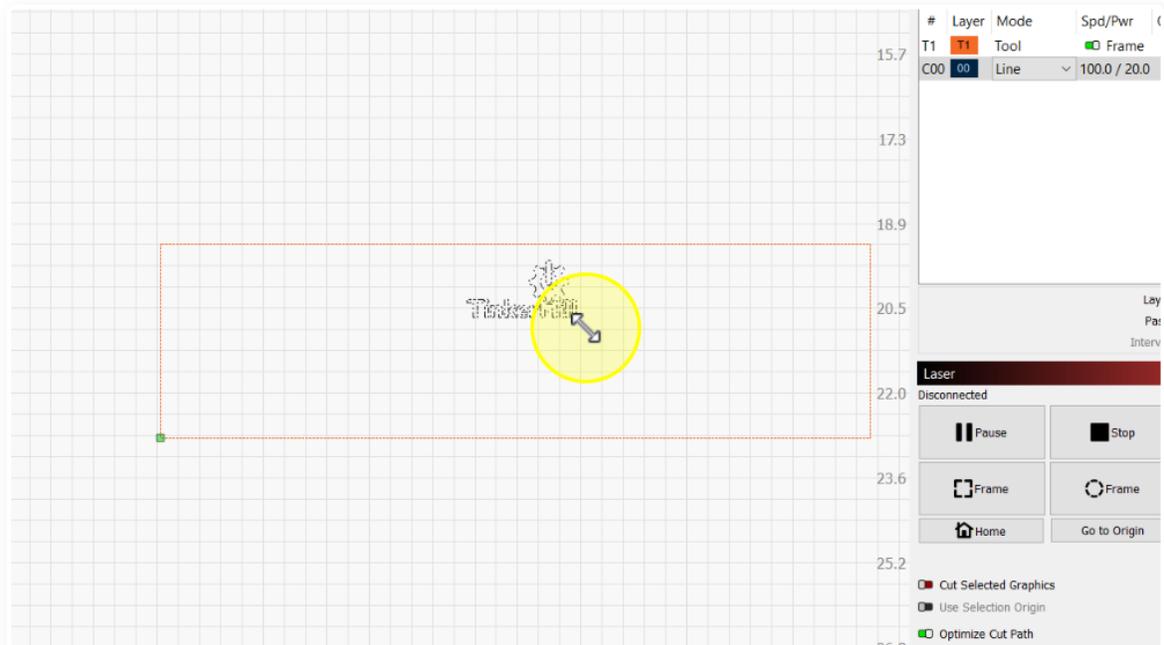
9 Change the height to Variable C measurement (C=3.6 in) and the width to the Variable A circumference measurement (A=13.194 in)



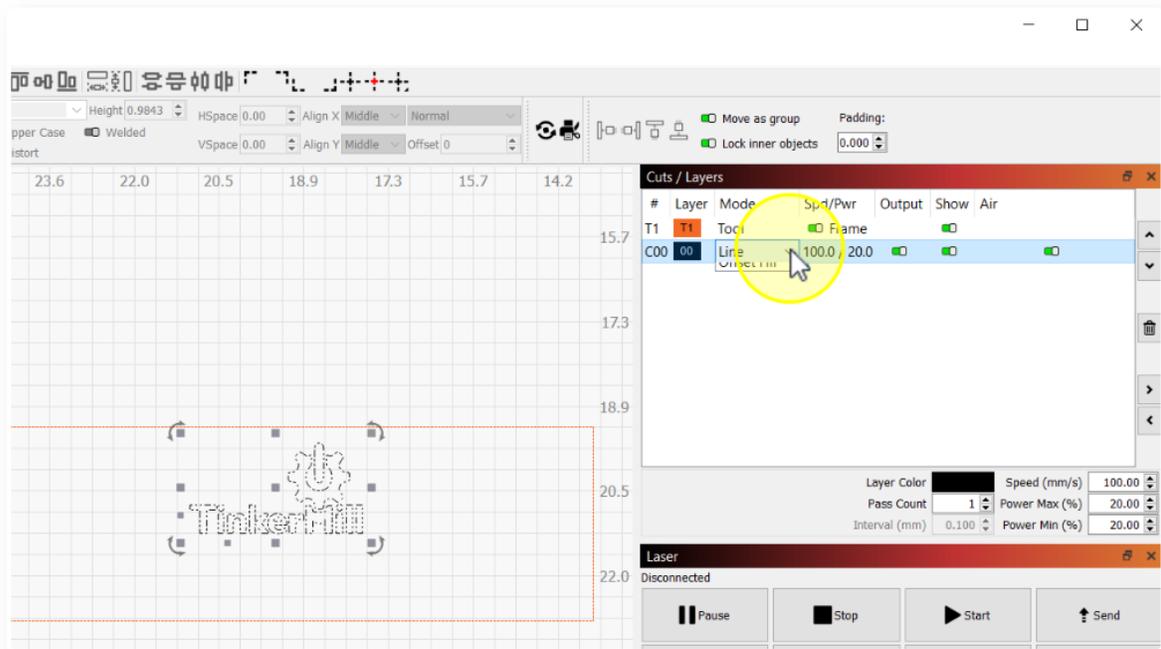
10 Click on File and import to bring in the image to engrave.



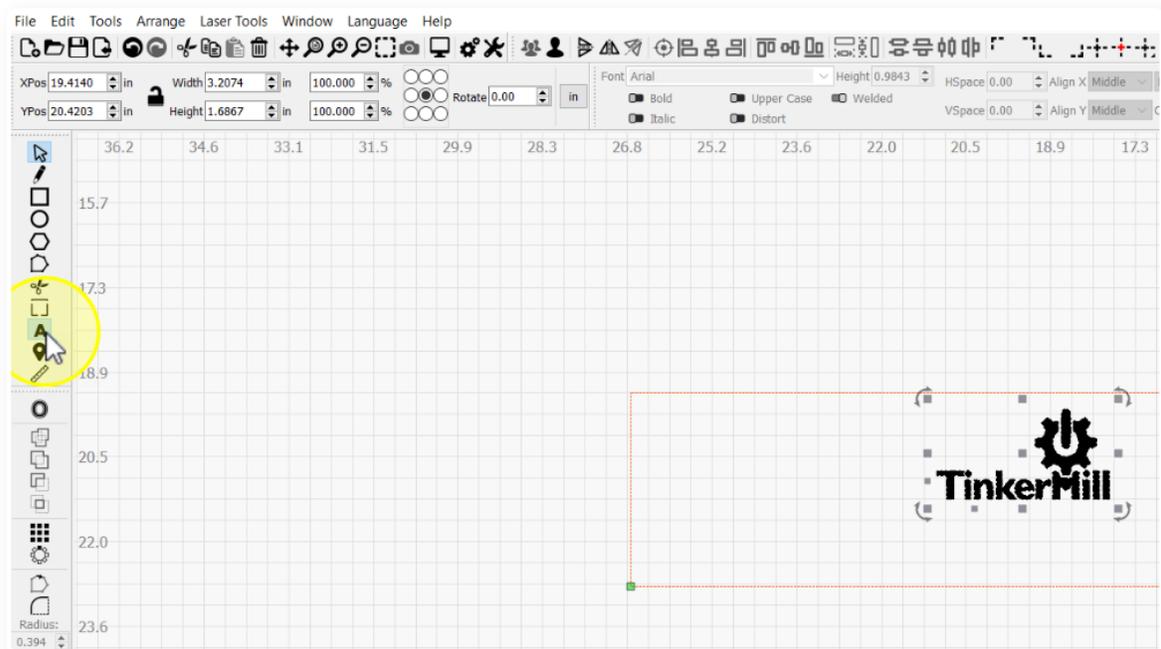
11 Position and size the image inside the frame.



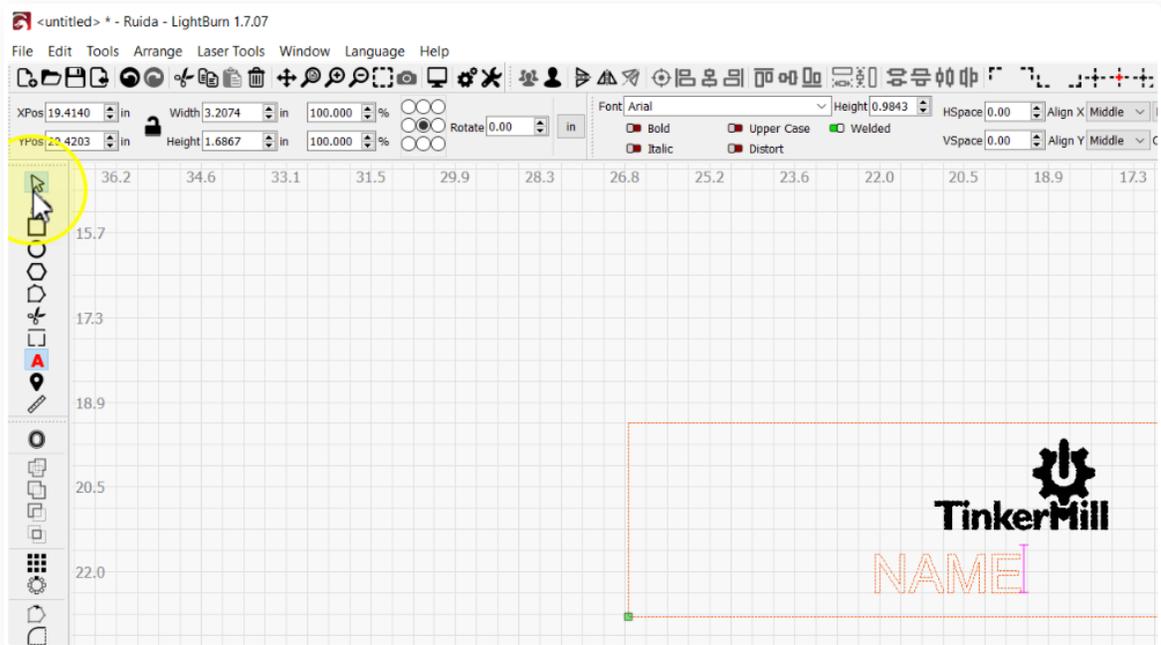
12 Change the layer mode to fill.



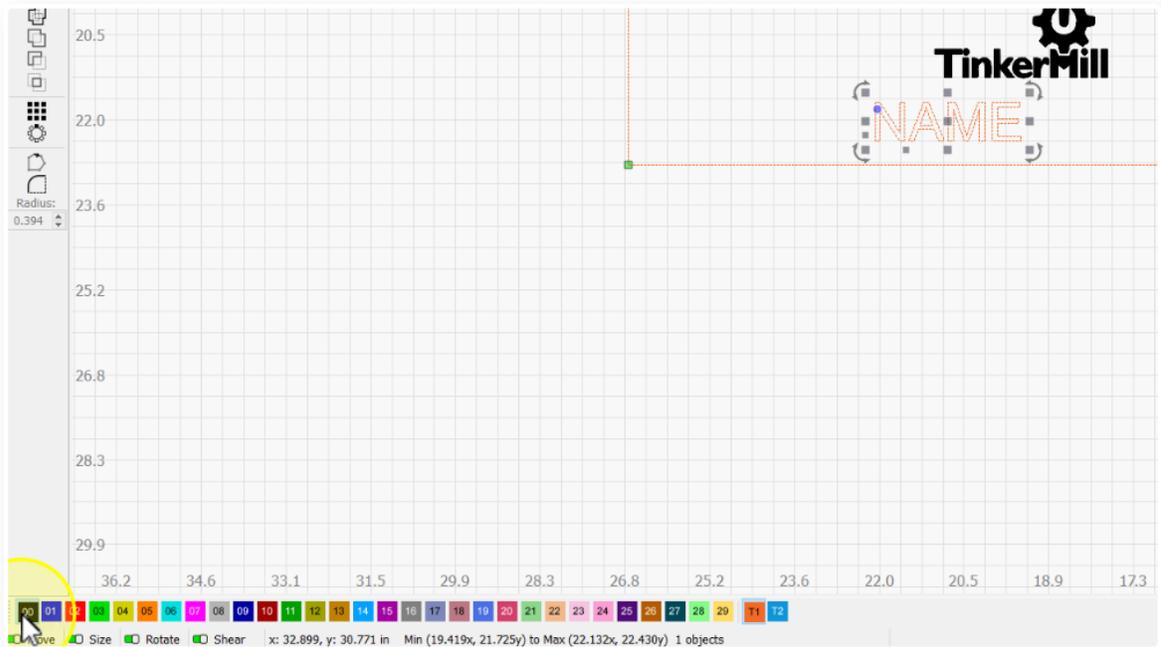
13 Select the text tool



14 Type in a name.

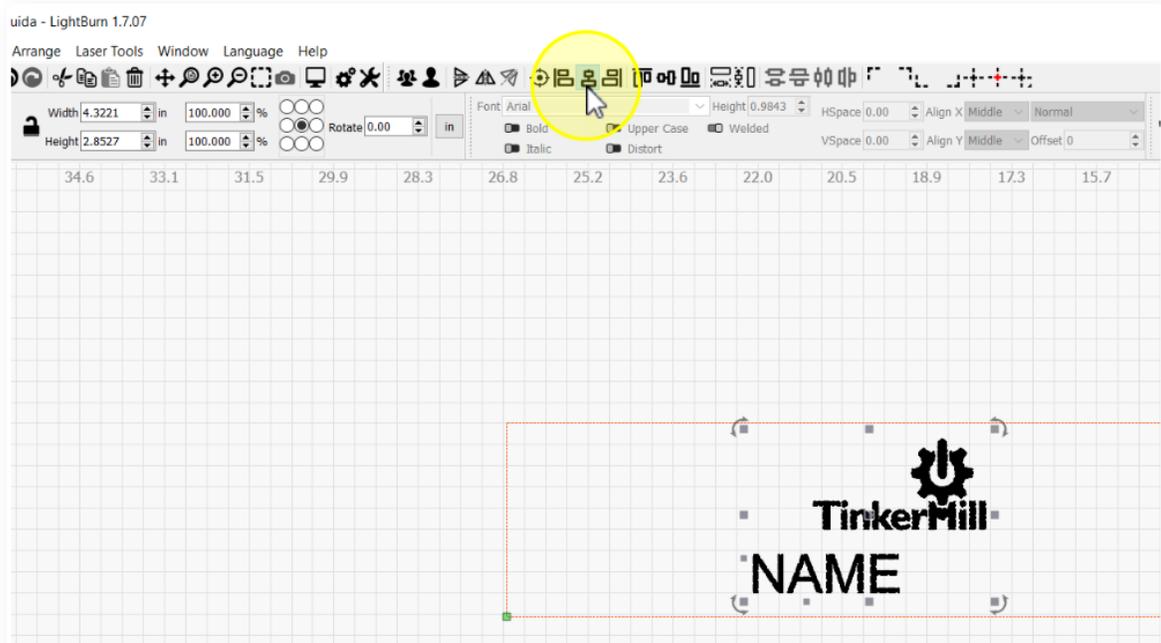


15 Click on the C00 layer.



16

Select the image and name and then click on the align center icon.



17

Click on the group icon.

