LASER CUTTING SOFTWARE GUIDE

SETTING UP THE LASER

If it is your first time using the laser you will need to add which laser you are using

1. Open LightBurn
2. A screen will pop up that is called "Devices"
3. Click on the "Find My Laser" Button
4. The "Device Discovery Wizard" will open up, click the "Next" button and the software will scan to find which laser is connected to the computer
5. Select the first device on the list (it will most likely be called Ruida)
6. Click the "Add Device" Button then click "Next"
7. For the **60W laser choose "Rear Left"** as the laser origin , For the **130W laser choose "Rear Right"**
8. Click "Next" then "Finish" then "OK" now your laser will be added to the software

LIGHTBURN DESIGN TOOLS

On the left hand side of LightBurn are all your basic design tools

LightBurn Basics:

Select : Allows you to select, move, and manipulate objects in your design
Draw Lines
Create Rectangle
Create Ellipse
Create Regular Polygon
Edit Nodes: Allows you to precisely adjust and manipulate individual nodes and control points on vector paths
Add Tabs: Adds small tab extensions to the edges of shapes to keep parts in place during cutting or engraving
Create/Edit Text: Allows you to add and customize text elements in your design

View Shape Measurements

Offset Shapes: Creates an offset path around selected objects

Weld: Combines overlapping shapes into a single unified shape, merging their areas together
Boolean Union: Merges two or more shapes into one by combining their areas, creating a single continuous outline
Boolean Subtract: Removes the overlapping area of one shape from another, leaving the remainder of the first shape
Boolean Intersection: New shape from the overlapping area of other shapes, keeping only the intersecting portion

OTHER USEFUL TOOLS

Located at the top of the software

Zoom to Frame

Preview: Gives you a time estimate

Mirror Selection Vertically:

Mirror Selection Horizontally:

Align Both Vertical and Horizontal Centers

Align Vertically

Align Horizontally

Distribute Vertically

Distribute Horizontally