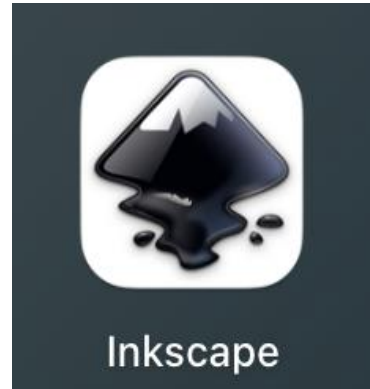


Laser-cutting - Wooden Bookmark



Flux Laser-cutting
Machine
Hardware



Inkscape
Software



Plywood
Materials

Laser-cutting - Wooden Bookmark

Final Design



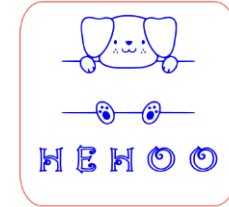
Laser Cutting Operations

Scoring

In laser cutting, scoring is a technique that creates shallow, controlled lines on the surface of a material without cutting all the way through.

Stroke paint: Blue stroke (RGB 0,0,255), no fill

Used with outlined texts and outlined images



Cutting

In laser cutting, cutting is the process of slicing completely through the material to create shapes or separate pieces. Cuts can be **outer cuts** or **inner cuts**:

- Outer cuts define the final shape of the piece.
- Inner cuts remove sections inside the design, such as holes, patterns, or decorative shapes.

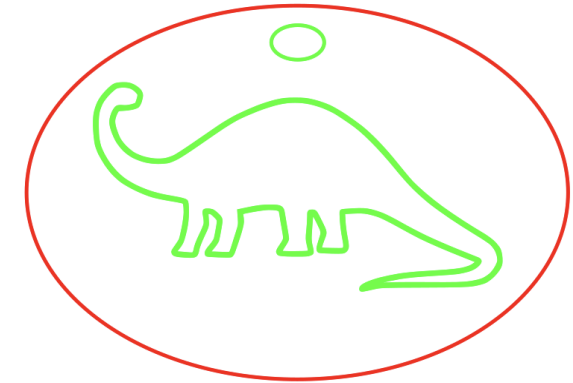
Stroke paint:

- Outer cut: **Red stroke (RGB 255,0,0), no fill**
- Inner cut: **Green stroke (RGB 0,255,0), no fill**

Cutting order:

The machine is configured to cut inner shapes first before cutting the **outer shape**.

This prevents the piece from moving once it's fully cut out, ensuring accuracy for all inner details.



Inkscape Basics Tools And Concepts

◆ Layers & Objects Panel



- **What it does:** Organizes design parts into separate layers, and lets you manage each object individually.
- **How to access:** Top Menu → Object → Layers and Objects ... (or press **Shift + Command + L**)

◆ Fill And Stroke Panel



- **What it does:** Sets inside color (fill) and outline (stroke) for objects.
- **How to access:** Top Menu → Object → Fill and Stroke... (or press **Shift + Command + F**)

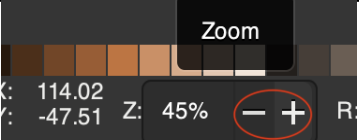
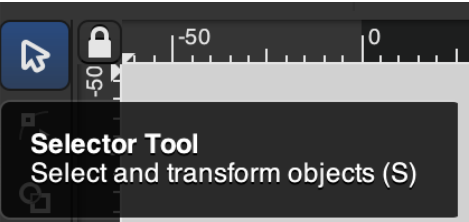

◆ Alien And Distribute Panel



What it does: Positions objects precisely relative to each other or to the page, and evenly spaces them.

How to access: Top Menu → Object → Align and Distribute...(or press Shift + Command + A)

Inkscape Useful Keyboard Shortcuts

Zoon in Zoom out	Plus sign + Minus Sign -	
Zoom to page	5 key	
Selection Tool		
Undo/Redo	Undo: Command + Z key Redo: Shift + Command + Z key	



Inkscape Basics Tools And Concepts