

## Vinyl Cutter Overview

### Vinyl Cutter Costs

\$1.00 minimum for all print jobs

- Sticker Vinyl - \$0.10 per linear inch
- Heat Transfer Vinyl - \$0.50 per linear inch

**Vinyl cutter is free to use if you bring in your own media.**

### Roland CAMM-1 GS-24 Vinyl Cutter

- 24-inch width, any length media
- Uses CutStudio Software
- Design files should be **BMP, JPG, JPEG, STX, AI, EPS, or PNG**. JPG, JPEG, and PNG work best.

Media Types	
<b>Removable Vinyl</b>	Great for walls, signs, and window decals Easy to remove and won't damage paint GCPL has removeable vinyl in: Black, Blue, Green, Yellow, Red, Gray, and White
<b>Permanent Vinyl</b>	Great for outdoor designs Resilient, will take longer before fading
<b>Heat Transfer Vinyl</b>	Only adheres to fabric once heat and pressure is applied Great for fabric, garments, bags, etc.

### Vinyl Cutting Process

1. Load the material.
2. Turn on the machine.
  - a. Make sure it is plugged into the computer and a power outlet.
3. Select Sheet (Roll, Edge, or Piece)
4. Perform a Test Cut - optional.
  - a. If new media and the cut force is unknown.
  - b. GCPL's sticker vinyl works best at +1 pen force.
5. Set the Origin - optional.
  - a. Only after performing a test cut.
6. Create the Cutting Project in CutStudio software.
  - a. Upload your design and edit as desired (BMP, STX, AI EPS, JPG, JPEG, or PNG)
  - b. Make sure to set the size of the media.
  - c. Extract Contour Lines to create what the vinyl cutter will cut.
7. Cut.
8. Remove the media.
9. Weed your design and remove any unwanted materials.
10. Transfer your design onto the chosen surface or fabric depending on the material.

## Resources

- Roland CAMM-1 GS-24 User Manual: [https://files.rolanddga.com/Files/GS-24\\_UsersManual/Responsive\\_HTML5/index.htm#t=GS-24\\_index.html](https://files.rolanddga.com/Files/GS-24_UsersManual/Responsive_HTML5/index.htm#t=GS-24_index.html)
- CutStudio Software Videos: <https://www.youtube.com/playlist?list=PLck3bHtKT2Ca4fdWBXV0lpcqrRhA3ZCme>
  - To fully explore the software used with the vinyl cutter
- Vinyl Cutter Quick Reference Guide: <https://cpb-ap-se2.wpmucdn.com/blogs.auckland.ac.nz/dist/3/270/files/2018/03/Vinyl-Cutter-Empower-Guide-1gy2rx3.pdf>
- Vinyl Lettering for Glass: <https://www.rolanddg.eu/en/blog/2019/04/25/vinyl-lettering-for-glass>



Full Written Tutorial



Video Tutorial