

Roland CAMM-1 GS-24 – Student User Guide

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Introduction

The Roland CAMM-1 GS-24 is a precision **vinyl cutter** used to create decals, stencils, heat-transfer graphics, and signage. It cuts adhesive vinyl or similar thin materials based on vector designs.

Safety

- Keep hands and clothing away from the moving carriage and blade.
 - Only trained users may operate the GS-24.
 - Always load vinyl properly to avoid jamming or tearing.
 - Do not attempt to cut unsupported or thick materials (paper, cardboard, fabric).
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Preparing Your Design

- **Design in Vector Software** (Adobe Illustrator, CorelDRAW, or Roland CutStudio).
 - **Convert Text to Outlines** and ensure all strokes are set to **hairline** or **cut lines**.
 - **Save or Send Job** directly to CutStudio with material size matched to loaded vinyl.
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Machine Setup

1. **Power On** the cutter.
 2. **Load Vinyl** (roll or sheet):
 - Lift pinch rollers, insert vinyl, and align with **alignment marks**.
 - Lock pinch rollers and ensure they are over the grit rollers.
 3. **Select Material Type** on the display:
 - **Roll** for roll media
 - **Piece** for sheets
 4. **Set Origin**: Move blade to starting point with arrow keys, press **[Origin]** to set.
 5. **Adjust Blade Force**: Start with default (~90 gf) and adjust based on material.
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Running a Job

- Send your file from software to the GS-24.
 - Watch the first few cuts to ensure vinyl is tracking straight.
 - If cuts are too shallow or deep, pause and adjust force.
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After Cutting

1. Use **cross cutter** to trim completed job.
 2. **Weed** excess vinyl carefully with a pick tool.
 3. Apply **transfer tape** to move vinyl design to the target surface.
 4. Turn off the machine and clear scraps.
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Helpful Tips

- ✓ Always test cut new material before starting large jobs.
- ✓ Keep blade clean and sharp for smooth cuts.
- ✓ Keep pinch rollers near vinyl edges but off printed areas.
- ✓ Save files as vectors for best results.
- ✓ Store vinyl rolls upright to prevent curling.