

# SVG Prep Checklist for Laser Cutting with xTool Creative Space

This checklist helps ensure smooth importing and correct operation setup in XCS.

## **Basic Cleanup**

- **[ ] Convert all text to paths/outlines**

Prevents font substitution or missing text on other computers.

- **[ ] Ungroup and flatten**

Eliminate groups, layers, masks, and compound paths if possible.

- **[ ] Remove clipping masks and filters**

These can confuse XCS or cause missing elements.

- **[ ] Clean metadata and hidden layers**

Use "Save As → Plain SVG" if exporting from Inkscape or Illustrator.

## Color & Stroke Guidelines (for XCS)

- [ ] **Use clear stroke/fill colors to represent different operations**  
While XCS doesn't auto-map black = engrave, distinct colors help you separate layers manually.
- [ ] **Optional: Use thin strokes (e.g., 0.1 mm) for cuts, filled shapes for engraves**  
This improves visual clarity, though not required for XCS recognition.
- [ ] **Avoid semi-transparent fills**  
XCS does not interpret opacity the way design tools do.

## **Scale and Units**

- [ ] **Set artboard/document size to match project (mm or inches)**  
Avoid unexpected scaling — match XCS workspace units.

## **Test Before Running**

Always test one of your SVGs in XCS after export to verify:

- Visibility of all parts
- No missing paths
- Correct alignment and sizing

