

Your first cup, start to engrave-ready

Ten minutes from a blank canvas to a laser-ready SVG, a product mockup, and a spin video — on a real tumbler template with true physical measurements.

tumblerforge.makefoundryco.com · a Maker Foundry tool

1 Sign in and open the Studio

Go to tumblerforge.makefoundryco.com and click **Open Studio**. Sign in with Google, or create an account with your name, email, and a password (email signups get a confirmation link — click it first).

The Studio has three zones: design tools on the **left**, the template canvas in the **center**, and the live 3D preview, tumbler picker, and layers panel on the **right**.

2 Pick your tumbler

In the right panel, choose in this order:

- **Tumbler type** — 20 oz Tumbler, 40 oz Tumbler, 10 oz Mug, and so on. The canvas resizes to that cup's real unrolled dimensions.
- **Engrave metal** — the plating that shows where the laser burns: gold, rainbow, copper, mirror black, stainless...
- **Powder-coat color** — the cup's outer color. Hover any swatch for its name; every cup previews the full standard palette, including colors we don't stock (those link to the drinkware collection instead of a product page).

The template annotations mirror our paper templates: ORIGIN and SEAM mark where the wrap meets (the handle line on handled cups), the center line is the front of the cup, and shaded bands mark taper transitions with the circumference above and below.

3 Add text

Click **Text** in the left toolbar, then double-click the new text to type a name. Pick a font from the dropdown — hovering a font previews it live on your text — or upload your own `.ttf` / `.otf`.

Drag the name where you want it. It snaps to the front-center line, the side quarter-lines, and other objects' centers, so "centered on the front panel" is one drag.

Need an exact size? Select the text and type the width or height into the **W/H** fields in the top toolbar — in inches or millimeters (toggle `mm/in` in the right panel).

4 Upload artwork

Upload SVG brings in vector art at true size — the best format for engraving. **Upload image** accepts PNG/JPG; follow it with **Trace image** → **SVG** to convert the image to vectors so it can be outlined and combined like everything else.

Multi-part SVGs: select the whole design and click **Make compound** in the top toolbar. It becomes one clean object — faster to work with, and holes stay holes.

Design past the seam on purpose! Anything crossing the edge shows a ghost copy on the opposite side and wraps around the real cup exactly like an oversized paper template.

5 Watch the 3D preview

Every edit re-renders the cup on the right a moment later. Drag to orbit, scroll to zoom, or tick **spin** for a turntable. Engraved areas show as the plating color — that's real: the laser burns off the powder coat to reveal the metal underneath.

Use the **rotate view** slider to slide your whole design around the cup and check how it sits relative to the handle and seam.

6 Export — SVG, mockup, and video

- **Export SVG** — the production file. True physical size with millimeter dimensions; LightBurn and xTool Creative Space open it at exactly the right scale. Template guides are excluded automatically.
- **Export mockup PNG** — a three-view product shot (handle left / back / right) on your chosen background, rendered at listing-quality resolution.
- **Export spin video** — a full 360° rotation as a 1080×1080 MP4, ready for Etsy and social.

Free accounts export mockups with a small watermark; any paid plan removes it. Always test engrave on the bottom of a spare blank before running a customer cup.

Keep going

Outlines around names, subtracting text from a background wrap, layer management, and the rest of the editing toolkit are covered in the companion guide: **Editing Tools — Outlines, Layers & Booleans**.

Questions? tumblerforge@makerfoundryco.com — or browse the FAQ at tumblerforge.makerfoundryco.com/faq.

That's it — go make cups.

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