RETICLE RED TUTORIAL

Hole rings

An engraved ring around every screw hole, on its own layer in every machine file.

Recorded on the live site · LightBurn · xTool · EZCAD · free

reticle-red.com/fabricator

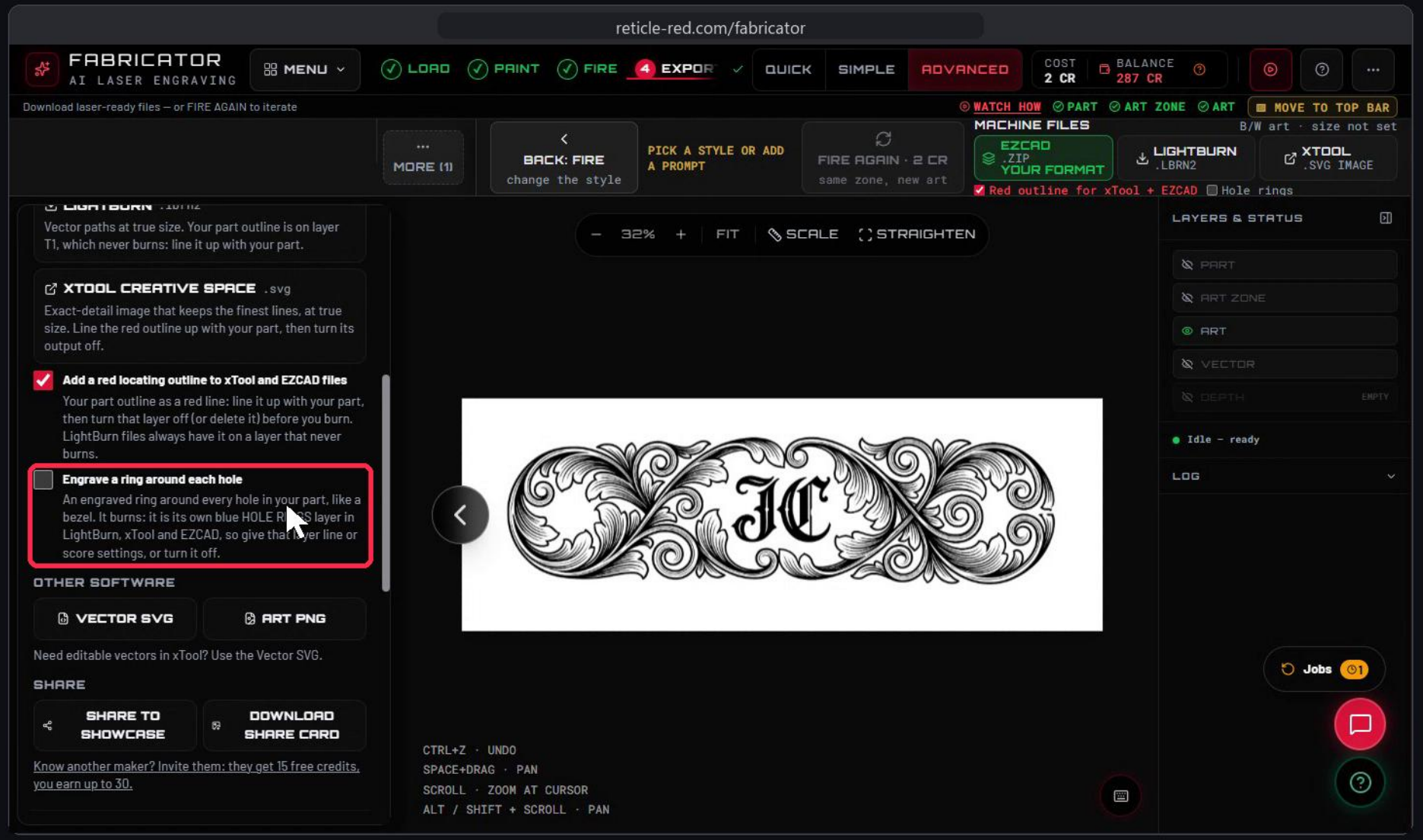
PART 1 OF 1

Hole rings

Turn on, pick the gap, download, burn

RETICLE RED · FABRICATOR ACADEMY

Hole rings — Turn on, pick the gap, download, burn

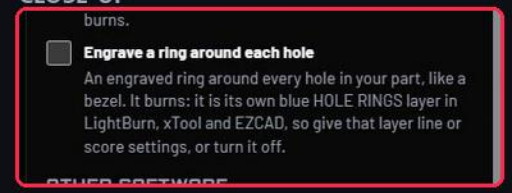


HOLE RINGS

An engraved ring around every screw hole,

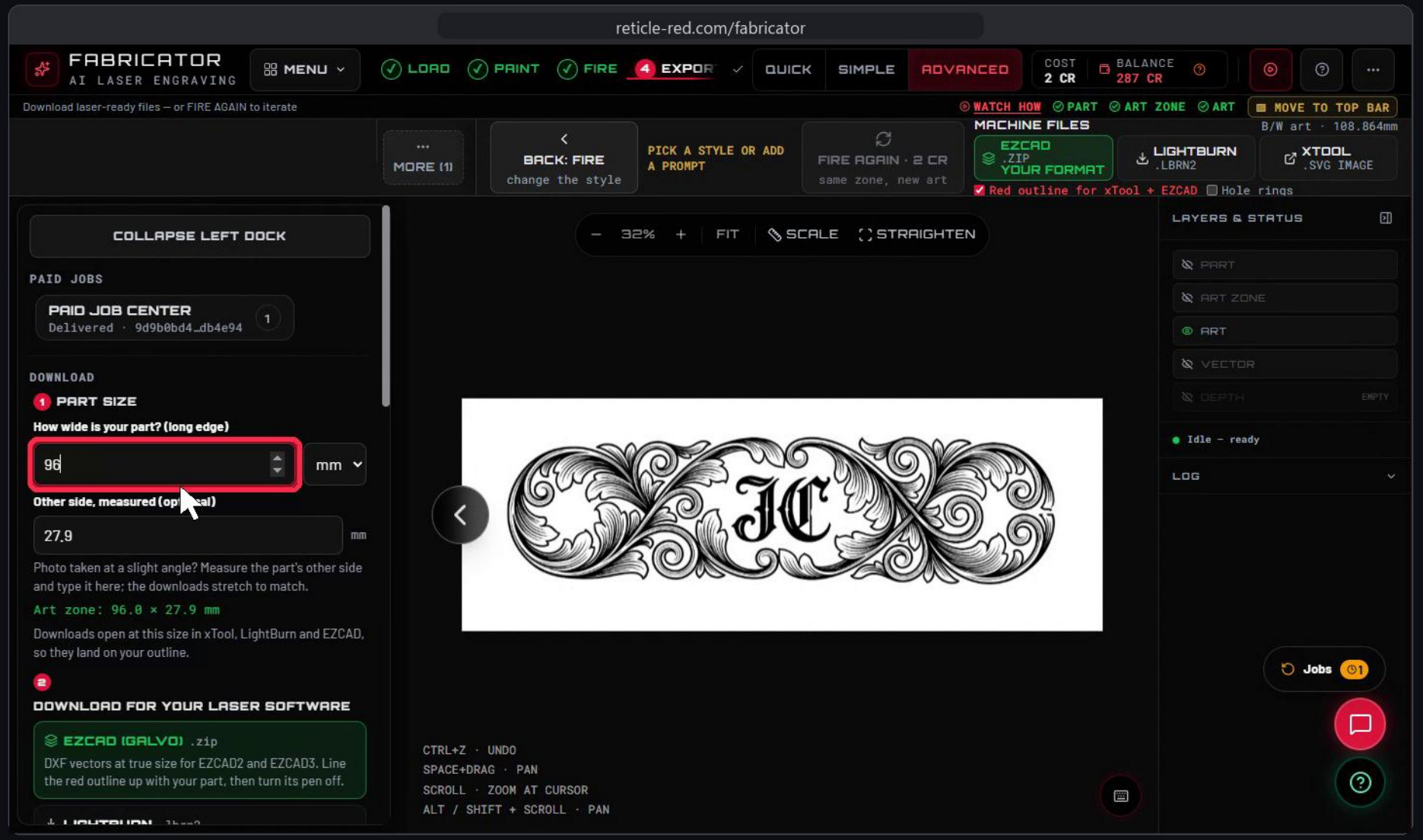
drawn from your own part outline.

CLOSE-UP



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Hole rings — Turn on, pick the gap, download, burn



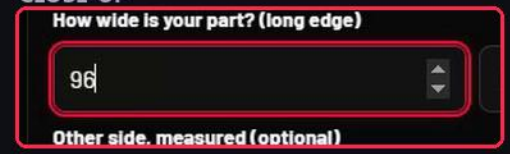
STEP 1 OF 5

1 · PART SIZE

Set the long edge of your part first.

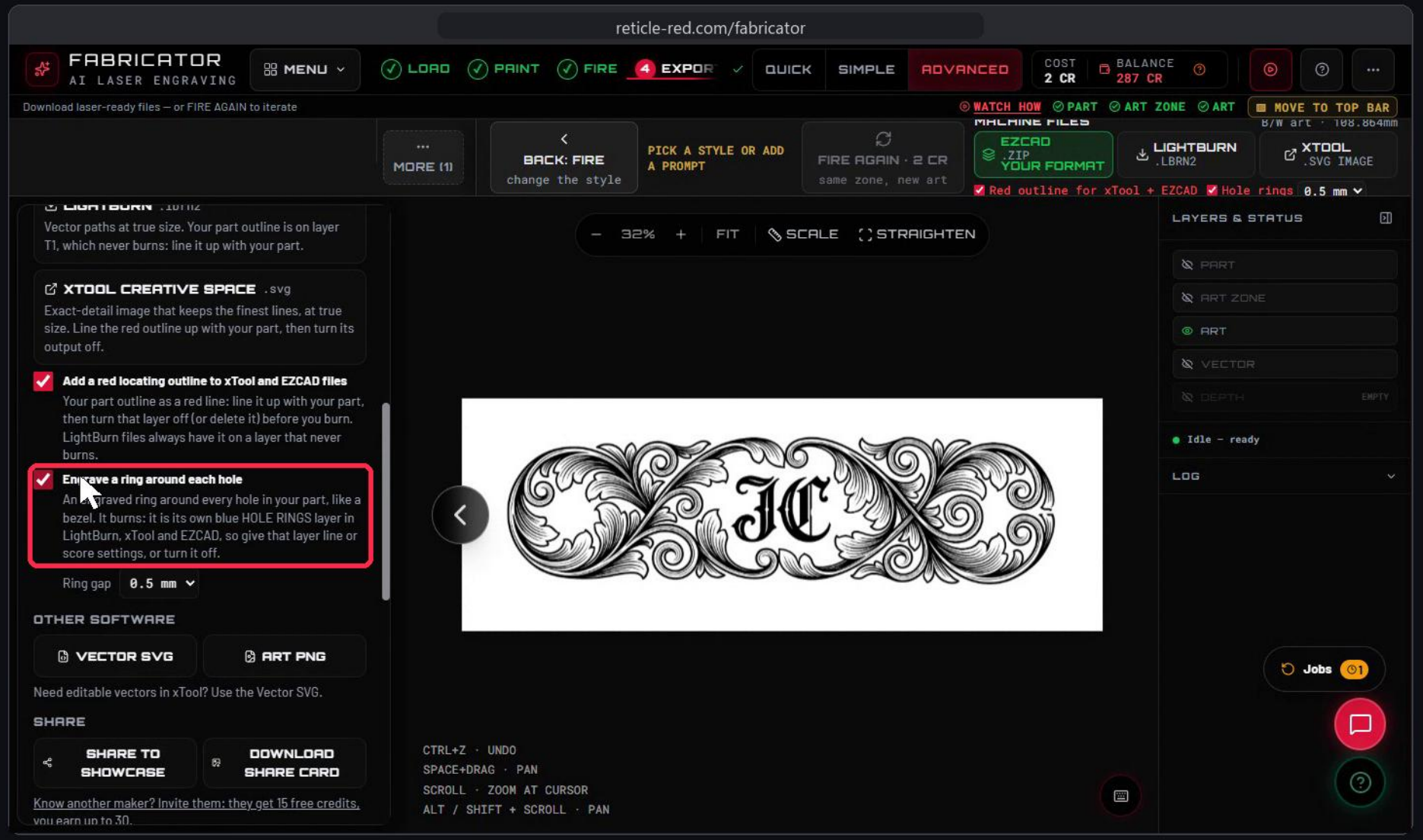
The rings come out at real size too.

CLOSE-UP



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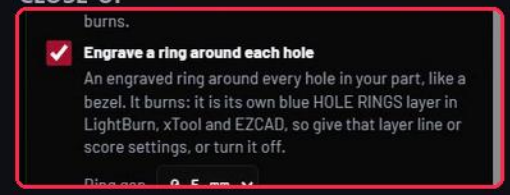
STEP 2 OF 5

2 · TURN ON HOLE RINGS

Next to the red outline switch.

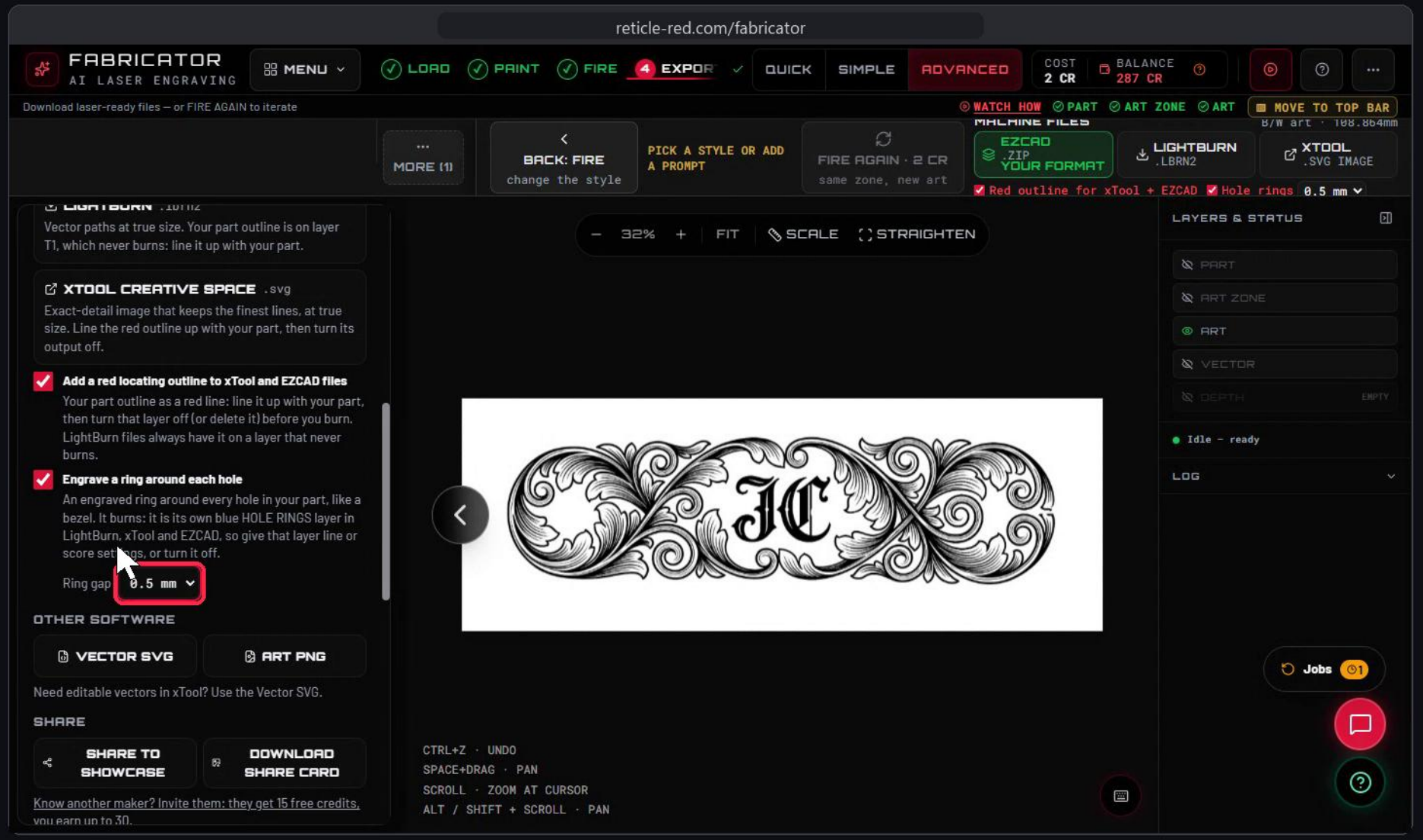
Only shown when your part has holes; off by default.

CLOSE-UP



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Hole rings — Turn on, pick the gap, download, burn



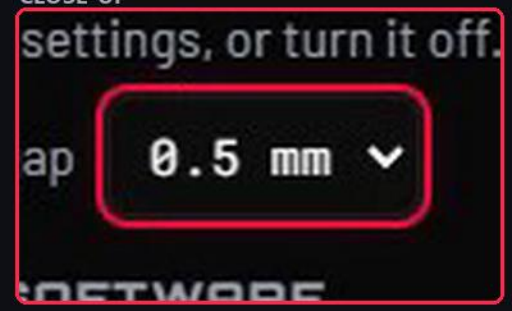
STEP 3 OF 5

3 · PICK THE GAP

0.5 · 1 · 1.5 · 2 mm from the hole edge

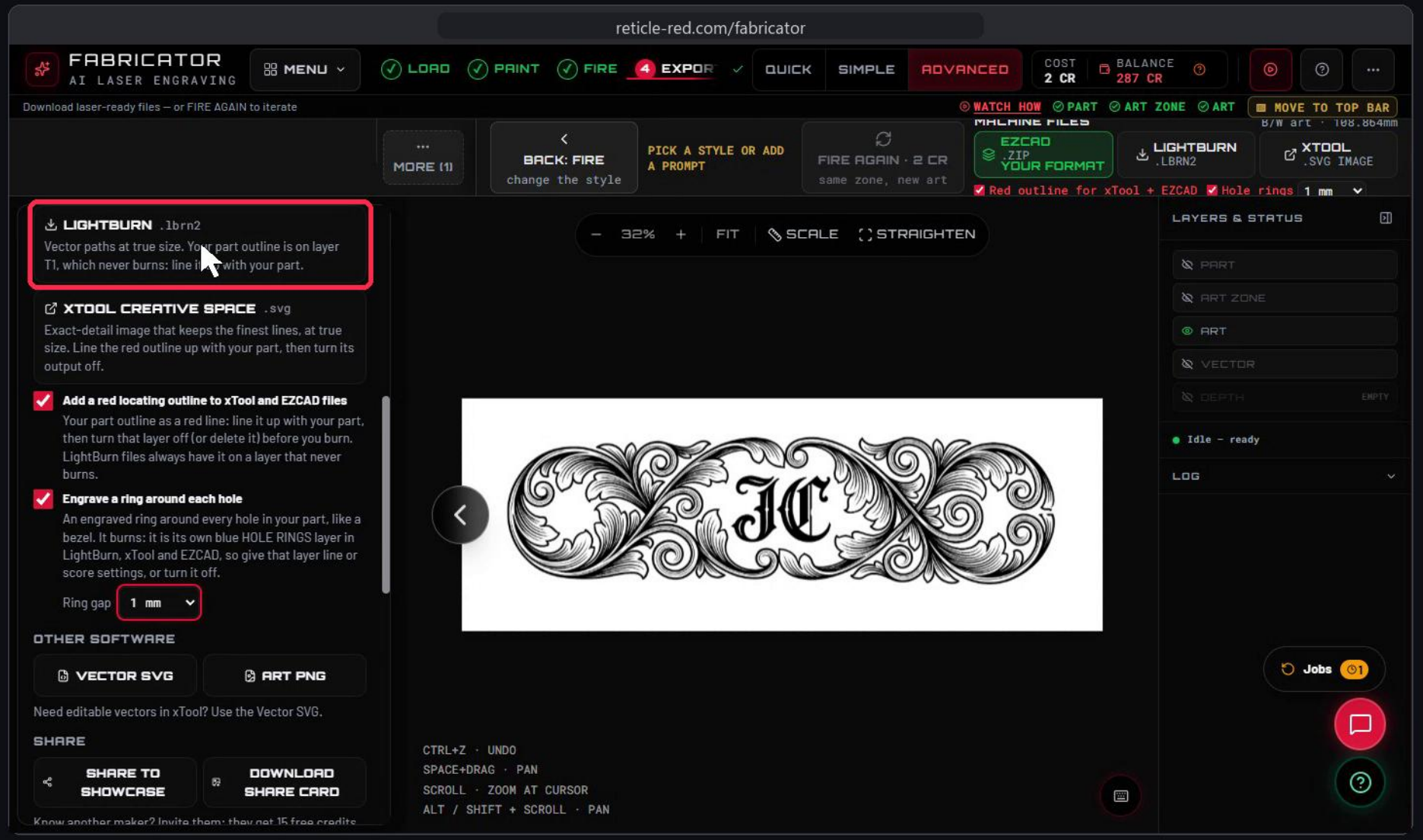
Both choices are remembered.

CLOSE-UP



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Hole rings — Turn on, pick the gap, download, burn



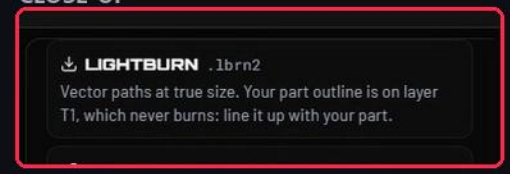
STEP 4 OF 5

4 · DOWNLOAD FOR YOUR LASER

LightBurn · xTool · EZCAD

Rings on their own HOLE RINGS layer.

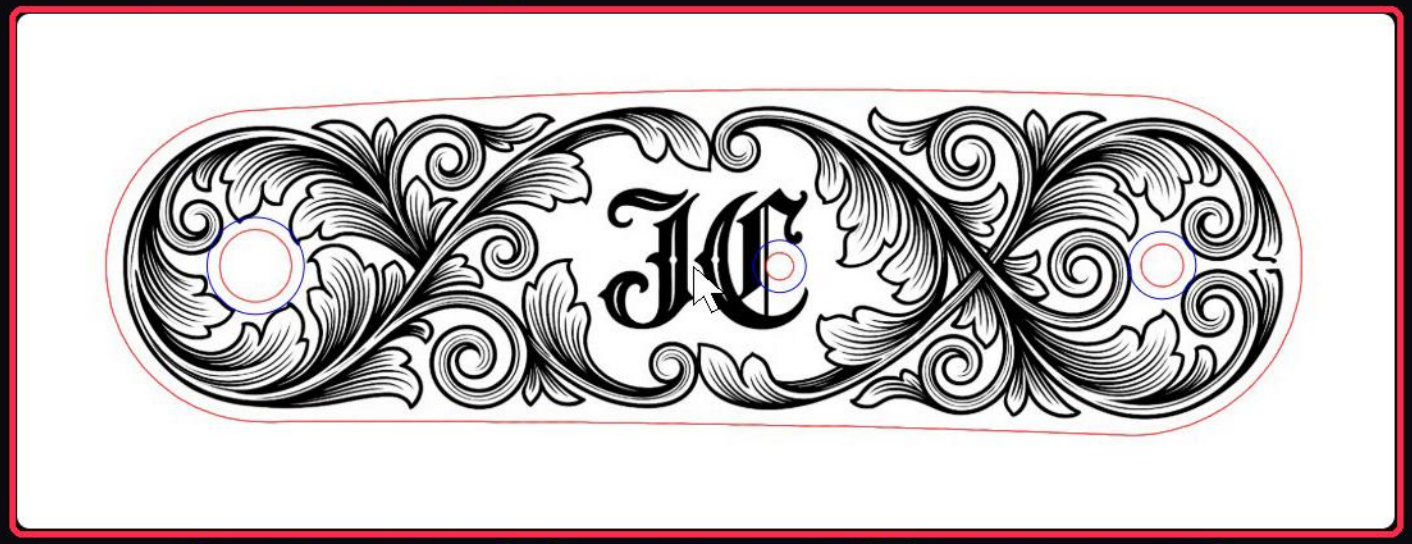
CLOSE-UP

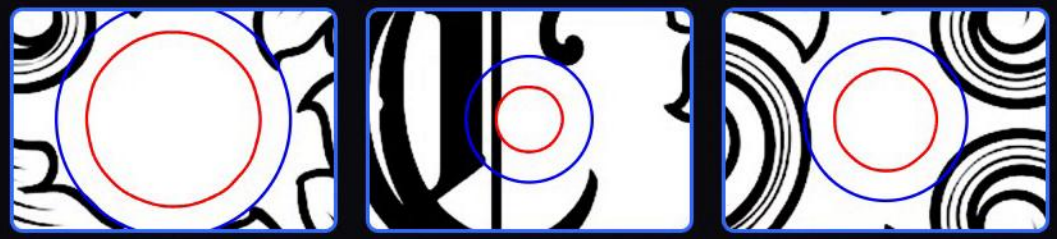


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Your xTool file, opened: knife scale at 96 mm

Downloaded from the live Fabricator with Hole rings on, gap 1 mm





Pivot hole ring 3.89 mm radius | **Middle screw** ring 2.09 mm radius | **Back screw** ring 2.70 mm radius

HOLE_RINGS layer: burns (score or engrave) — Red outline: line up, then turn off

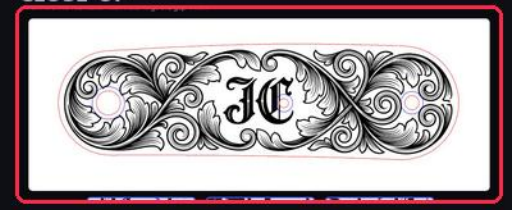
STEP 5 OF 5

THE xTOOL FILE

Blue rings 1 mm outside each hole,

centred on the pivot and both screws.

CLOSE-UP



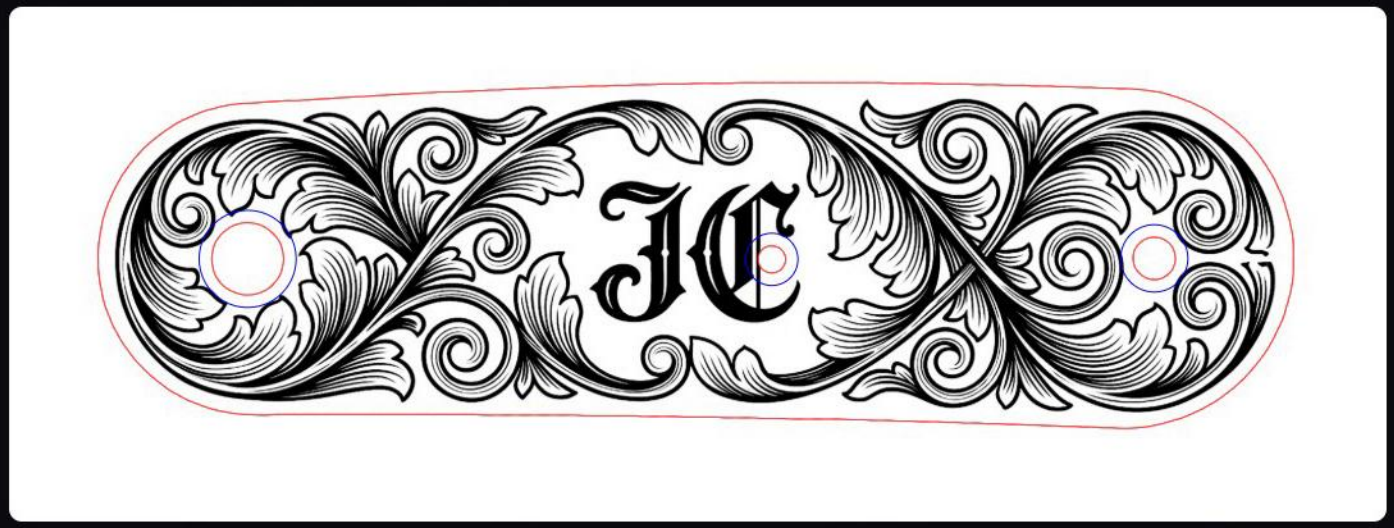
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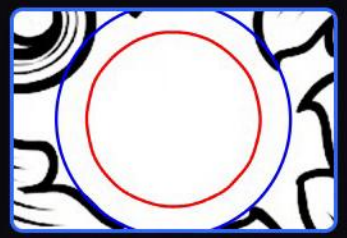
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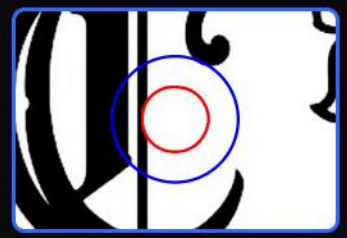
Your xTool file, opened: knife scale at 96 mm

Downloaded from the live Fabricator with Hole rings on, gap 1 mm

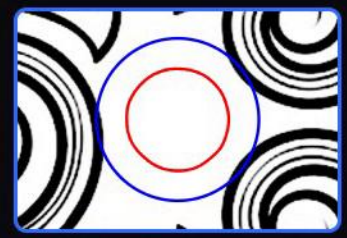




Pivot hole ring 3.89 mm radius



Middle screw ring 2.09 mm radius



Back screw ring 2.70 mm radius

HOLE_RINGS layer: burns (score or engrave) — Red outline: line up, then turn off

TWO WAYS TO USE THEM

Keep it: score or light engrave = a bezel.

Or line up with it, then delete the layer.

CLOSE-UP



Every screw gets its ring

Create → The Fabricator → 4 EXPORT → Hole rings

Free on every export, and on designs you reopen from your Armory.

More tutorials: reticle-red.com/tutorials

Narration: AI voice (ElevenLabs). Screens: the real reticle-red.com and the downloaded xTool file.