LESSON GUIDE

Preparing and running a personalized name-tag engraving

Create editable lettering while keeping the blank guide out of the engraving plan.

Software practice

Leave **No Machine** selected and stay disconnected. These files retain example operation values for software Preview. They are not tested material settings. Course machine-profile links have been removed from the learner copies.

Engrave	Blank guide
Fill; Output on	Shown; Output off

The blue blank is a placement guide. Only the lettering belongs in the engraving job.

1. Open **name-tag-start.lzrproj** and stay disconnected with No Machine selected. The blue Blank guide is 80 x 30 mm with an 8 mm opening; its main Output is off.

2. Select black **Engrave** before adding Text. Use Arial, Bold, **12 mm**. Type **NATHAN** and press Escape to finish editing.

3. With the text selected, choose the **center reference** in Properties and enter **X 165, Y 185**. Check clearance from every edge and the opening.

4. Inspect Engrave's Fill settings. Keep the guide shown and excluded by main Output; the example values are not a material recipe.

5. Preview with Show Travel off. Only the name should appear. Also inspect travel/overscan, then close Preview.

6. Save a separate engraving copy and compare with **name-tag-engrave-finished.lzrproj**. Keep it distinct from the later cutting setup.

INDEPENDENT PRACTICE

Independent practice

Open **name-tag-practice.lzrproj**. Add **MAKER** as editable Arial Bold text at 12 mm. Use the center Properties reference and set **X 170, Y 182.5**.

☐ Keep Blank guide shown with main Output off and Engrave Output on.

☐ Check the full word clears the opening and all edges. Preview only the lettering.

☐ Save your own copy and compare with name-tag-practice-answer.lzrproj.

Which layer should contain the editable name?

Which paths should be absent from the engraving Preview?

What could differ if Arial is unavailable on another computer?

Keep the comparison meaningful

Preserve the supplied starter. Save your own result separately before opening the answer.

EXPLAINED ANSWERS AND FILES

Explained answers and files

Practice lettering
MAKER, Arial Bold, 12 mm; center Properties coordinates X 170 / Y 182.5.

Included output
Only Engrave lettering. The blue outside outline and opening remain guides and must be excluded.

Text portability
The answers retain editable text and saved outlines, not a bundled Arial font. Font substitution or later editing may change the appearance; recheck clearance.

name-tag-engrave-finished.lzrproj
Saved demonstration setup, not a completed physical result.

name-tag-practice-answer.lzrproj
Compare saved fields and artwork after your attempt.

name-tag-practice.lzrproj
Independent starter for this lesson.

name-tag-start.lzrproj
Follow the demonstrated setup.

A later physical engraving requires your verified profile/reference, fixed stock, tested settings, focus, ventilation, eye protection and framing. Inspect the lettering before another run; keep the stock fixed for a later cut.

Matches the demonstrated Beam Bench 0.2.37 controls and the corrected ending where applicable. Later panel layouts may differ.