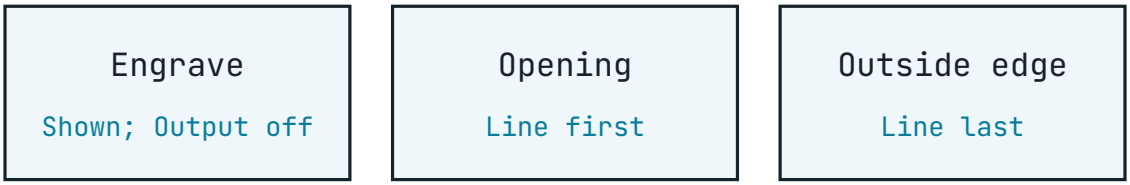
LESSON GUIDE

Preparing the name-tag outline for cutting

Prepare a separate outline job with the opening before the outside edge.

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.



Separate engraving and cutting copies. Preview the opening before the outer boundary.

1. Open **name-tag-cut-start.lzrproj** while disconnected with No Machine selected. Turn **Engrave main Output off**, leaving Show on.

2. Select the blue Blank guide layer, enable its **main Output**, and keep **Line**. The completed example names this layer **Cut**.

3. Turn Air Assist on for that outline operation. Its physical effect depends on your profile, controller and configured hardware.

4. In Run > Optimization, turn on **Enable** and **Cut inner shapes first**, then click OK.

5. Preview with Show Travel off and Show Progress on. Go to start and step through: the opening should run before the outside; no lettering should appear.

6. Save a separate copy and compare with **name-tag-cut-finished.lzrproj**. Keep the original engraving version.

INDEPENDENT PRACTICE

Independent practice

Open **name-tag-cut-practice.lzrproj**. Exclude Engrave, enable the blue outline in Line mode with Air Assist, and enable Cut inner shapes first.

☐ Keep all artwork geometry intact and shown. The example answer labels the blue processing layer Cut.

☐ Preview from the start to inspect the opening before the outside edge. Save separately and compare with name-tag-cut-practice-answer.lzrproj.

Which main Output switch prevents a second engraving?

Why check the order before cutting the outside?

Does switching Air Assist on prove air is physically flowing?

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 output
Engrave main Output off. The blue Cut layer is on in Line mode with Air Assist enabled.

Order
Optimization is enabled with inner shapes first. The opening runs before the outside so the part stays supported for the inner cut.

Machine checks
No software switch proves physical airflow or cutting quality. Use settings tested on the actual material and confirm your configured equipment.

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

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

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

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

For a later cut, keep stock fixed, verify reference/profile/placement, air, focus, ventilation and eye protection, then frame and supervise. Inspect the cut before lifting the part; the saved answer cannot prove it cut through.

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