LESSON GUIDE

Checking placement with laser-off framing

Review saved placement and understand a laser-off Box frame.

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.



Laser-off framing checks the job bounds. It does not execute the artwork's engraving paths.

1. Open **frame-start.lzrproj** while disconnected. It stores User Origin X 80 / Y 80 and Bottom left for the example tag.

2. Inspect Preview and turn off Show Travel. Check that only the outline and opening are included.

3. Compare **frame-finished.lzrproj**. Saving preserves positioning fields, not proof that a frame cleared actual stock or clamps.

4. For a physical frame on your verified setup, leave **Frame: Laser On unchecked**, choose **Box**, and check Frame speed. The demo uses 1200 mm/min.

5. Clicking Frame opens **Confirm Frame**. Read it before confirming motion. Keep the travel clear and watch the actual machine.

6. Wait for Idle. Reframe after changing artwork, origin or included output. Complete the offline review without commanding motion.

PLACEMENT WORKSHEET

Placement worksheet

Open **frame-practice.lzrproj**. Compare its mode and anchor with **frame-practice-answer.lzrproj**. Choose Bottom right and save a separate copy if you want to reproduce the saved-field change.

☐ The example saved point is X 100 / Y 100. Changing the artwork anchor does not set a new physical reference.

☐ Use Preview and the saved fields for the offline review. Physical clearance remains an observation for your own machine.

Which Job Origin does the practice answer store?

What should a real Box frame clear?

Which changes require another placement check?

Keep the comparison meaningful

Compare saved fields and explained reasoning. A file or software state cannot verify the physical machine.

EXPLAINED ANSWERS AND FILES

Explained answers and files

Practice fields
User Origin X 100 / Y 100 and Bottom right. The practice geometry is a 72 x 28 mm tag with an 8 mm opening.

Physical observation
Record whether every side clears stock edges, clamps and the surrounding travel area. A saved answer cannot supply that observation.

Recheck trigger
Moving the design, changing the origin or changing included output can change the frame.

frame-finished.lzrproj
Saved demonstration setup, not a completed physical result.

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

frame-practice.lzrproj
Independent starter for this lesson.

frame-start.lzrproj
Follow the demonstrated setup.

Use the manufacturer's documented reference procedure and an origin within your work area. Homing applies only when supported and configured.

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