LESSON GUIDE

Reading Preview and resolving placement problems

Resolve an out-of-bounds object and remove a visible guide from the planned output.

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.

Bounds error	Correct X	Guide Output
Read the object	Keep dimensions	Off; Show stays on

Placement and inclusion are separate checks. A visible guide can be excluded from the job.

1. Open **preview-start.lzrproj** and click Preview. Read the actual message: Plate extends **4 mm** past the right workspace edge.

2. Beam Bench selects Plate. In Design, use the bottom-left Properties reference and change **X 92 to 52**, keeping W 12 / H 16.

3. Clear selection and Preview with Show Travel off. The large Guide rectangle is an unwanted contour because its main Output is on.

4. Close Preview. In Layers select Guide and turn off **main Output beside Show**. Leave Show on and preserve its smaller operation Output.

5. Preview again. Only Plate and the opening remain. Go to start and use Next segment to inspect the planned paths.

6. Turn Show Travel on to distinguish laser-off moves from Burn paths. Duration is an estimate. Save separately and compare with **preview-finished.lzrproj**.

INDEPENDENT PRACTICE

Independent practice

Open **preview-practice.lzrproj**. Read the bounds error, then move Plate from **X 94 to 54**. Keep Guide visible with its main Output off.

☐ Preserve Plate W 10 / H 18, Y and the 16 mm opening. The practice guide is an ellipse.

☐ Check Preview, save a separate copy and compare with preview-practice-answer.lzrproj.

Why is Plate initially outside the workspace?

Which Guide control removes its path but preserves its canvas display?

Does a clean software Preview establish focus or stock clearance?

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 correction
Plate starts at X 94 with width 10 in a 100 mm workspace, extending 4 mm beyond it. X 54 brings it inside.

Output exclusion
Guide stays shown; main Output is off. Preview includes Plate and the opening, not the guide.

Preview limits
A plan checks software paths. It does not verify a physical reference, stock placement, material response or focus.

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

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

preview-practice.lzrproj
Independent starter for this lesson.

preview-start.lzrproj
Follow the demonstrated setup.

Changing Show alone affects canvas display. Read the planned output after every inclusion or positioning change.

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