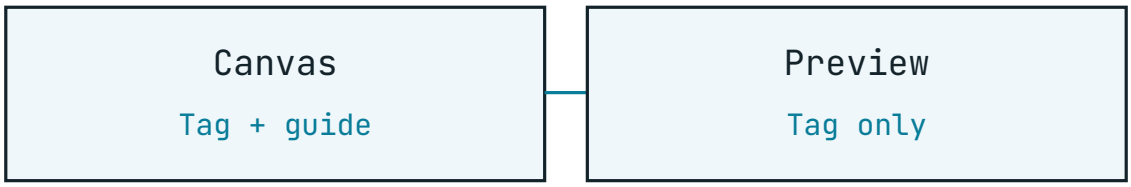
LESSON GUIDE

Using tool layers for reference artwork

Keep a reference guide visible and protected while excluding it from the laser plan.

Disconnected software practice

Leave **No Machine** selected and stay disconnected. The projects have no machine profile. Output is enabled where needed for software Preview; the example values are not material settings. Keep each lesson pack in its own folder.



A tool guide can stay shown and locked on the canvas while its artwork is excluded from Preview.

1. Open **reference-start.lzrproj**. Reference is an ordinary Line layer. Its large rectangle initially appears in Preview with the tag and opening. Close Preview.

2. Select **Reference** and click its **Color square**. Choose **Tool 1**, one of the dashed swatches at the bottom of the palette.

3. The layer shows Tool and its laser settings disappear. Try **Show off**, then restore Show to keep the guide visible.

4. Click **Toggle lock on layer objects** at the top of Layers. The reference boundary is now protected from accidental edits.

5. Open Preview and hide Show Travel. Only the tag outline and opening remain. Close Preview and confirm the guide is still shown on the canvas.

6. Save a separate copy, reopen it and compare with **reference-finished.lzrproj**. In the corrected release, the tool layer keeps the custom name **Reference**.

INDEPENDENT PRACTICE

Independent practice

Open **reference-practice.lzrproj**. Its guide is an ellipse. Convert only Reference to **Tool 2**, keep it shown and lock its object.

☐ Preserve the Artwork layer, 40 x 20 mm tag, 6 mm opening and elliptical guide geometry.

☐ Preview should contain only the tag outline and opening.

☐ Save your own copy, reopen it and compare with reference-practice-answer.lzrproj. Confirm the name Reference remains.

Which control excludes the guide: Show, lock or the tool-layer type?

What should remain in Preview?

What should you recheck if you change the tool color back to a regular color?

Use the corrected release

If reopening changes Reference to T1 or T2, that is the earlier naming bug. The checked 0.2.38 answer keeps Reference for both tool choices.

EXPLAINED ANSWER

Explained answer

Practice answer
Reference is Tool 2, visible and locked. Its 70 x 46 mm ellipse stays on the canvas. Artwork contains the 40 x 20 mm tag and 6 mm opening, both included in Preview.

Tool type and lock
The tool-layer type excludes the guide from output. Locking protects edits; it is not an output control.

Returning to a normal color
A regular palette color returns a processing layer. The verified workflow created Line with Output on. Inspect the settings and Preview after this change.

reference-start.lzrproj
Demo starter with a normal Line reference rectangle.

reference-finished.lzrproj
Corrected Tool 1 answer; name Reference retained.

reference-practice.lzrproj
Independent starter with an elliptical guide.

reference-practice-answer.lzrproj
Corrected Tool 2 answer; name Reference retained.

Save/reopen names match the corrected Beam Bench 0.2.38 release. Earlier versions may rename tool layers.