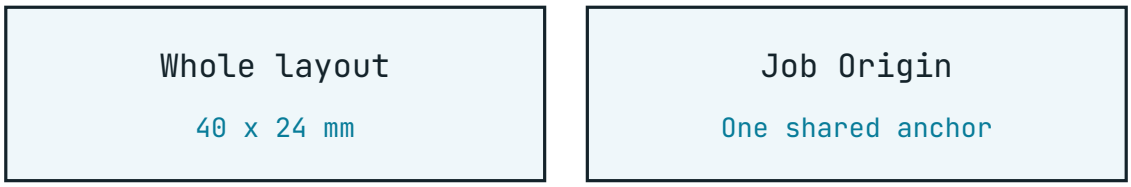
LESSON GUIDE

Using Current Position

Choose one anchor for a complete layout and understand why live position matters.

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.



Demonstration: two 16 x 24 mm plates with an 8 mm gap share one job anchor.

1. Open **current-position-start.lzrproj** in Design. Select both plates with Cmd + A on Mac or Ctrl + A on Windows/Linux.

2. Properties shows a combined **40 x 24 mm** layout. Each plate is 16 mm wide; the gap is 8 mm.

3. Clear selection and switch to Run. Choose **Current Position** in Start From, then **Bottom left** for Job Origin.

4. The chosen corner of the whole included layout is aligned to the live head location. The plates keep their spacing.

5. Click Preview while disconnected and read the position requirement. Saving an anchor does not supply a current head position.

6. Save a separate copy and compare with **current-position-ready.lzrproj**. It saves the mode and Bottom left, not the physical head location.

INDEPENDENT PRACTICE

Independent practice

Open **current-position-practice.lzrproj**. Set Current Position with **Top right** for Job Origin. Save a separate copy and compare with **current-position-practice-answer.lzrproj**.

☐ Keep both 14 x 18 mm plates and their 8 mm gap unchanged. The combined layout is 36 x 18 mm.

☐ Use the diagram and saved fields for this disconnected exercise; a fresh live-position Preview is unavailable.

Which bounds does Top right describe?

If the head moves before planning, what happens to placement?

Does reopening the file restore the physical head location?

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 geometry
Two 14 x 18 mm plates plus the 8 mm gap make one 36 x 18 mm layout.

Practice fields
Current Position and Top right. The whole layout shares that anchor.

Live position
The target follows the reported head position when the plan is prepared. The file does not store or restore that live position.

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

current-position-practice.lzrproj
Independent starter for this lesson.

current-position-ready.lzrproj
Saved demonstration setup, not a completed physical result.

current-position-start.lzrproj
Follow the demonstrated setup.

On a configured machine, verify the complete layout with laser-off framing. Moving the head or changing the included output requires another placement check.

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