CONTROL REFERENCE

Using low-power laser-on framing

Recognize the firing frame, its extra confirmation and the final controls to inspect.

Review scope

Written review only. Keep **No Machine** selected and stay **disconnected**. No fault, firing or controller run is needed. Optional demo-projects have course machine links removed and retain only example design/settings.

Frame	Frame: Laser On	Confirmation
Laser On unchecked	Can fire the laser	Confirm Laser Frame

Laser-off is the beginner default. The low-power firing choice is separate from artwork operation power.

1. Use this as a controls reference. No firing, framing or connected run is required for the review.

2. With **Frame: Laser On unchecked**, Frame is the laser-off choice shown in the lesson.

3. Checking **Frame: Laser On** changes the button to **Frame: Laser On**. This choice can fire at low power and can mark material.

4. The firing choice presents **Confirm Laser Frame**. Read the warning; letting the confirmation expire cancels that confirmation attempt.

5. In the demonstration the firing frame shows Laser S 10. That is an example controller reading, not a universal power setting.

6. After the demonstrated frame, inspect **Idle**, **Laser S at zero** and the Laser On choice cleared. Verify the actual controls before any later frame.

QUICK REVIEW

Quick review

Use the reference to explain which frame can fire, where the extra confirmation appears and the end state to inspect. Keep Frame: Laser On unchecked.

☐ Do not fire the laser to answer these questions.

☐ The frame follows job bounds; changing artwork, origin or included output requires another placement check.

Which frame is the beginner default?

What extra confirmation belongs to the firing choice?

Which state and control values should be inspected afterward?

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

Default
Frame with Laser On unchecked is the laser-off beginner default.

Firing choice
Frame: Laser On uses Confirm Laser Frame. Low power can still mark material; it is separate from artwork operation power.

End-state review
Idle, Laser S zero and the Laser On choice cleared. A physical frame still needs the actual machine's setup and clearance checks.

laser-frame-finished.lzrproj
Optional example under demo-projects; design/settings only.

laser-frame-practice.lzrproj
Optional example under demo-projects; design/settings only.

laser-frame-start.lzrproj
Optional example under demo-projects; design/settings only.

Optional demo-projects retain the example placement artwork. They are not a request to reproduce a firing frame. Real use needs eye protection, supervision, focus, ventilation and clear travel.

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