What you'll need:
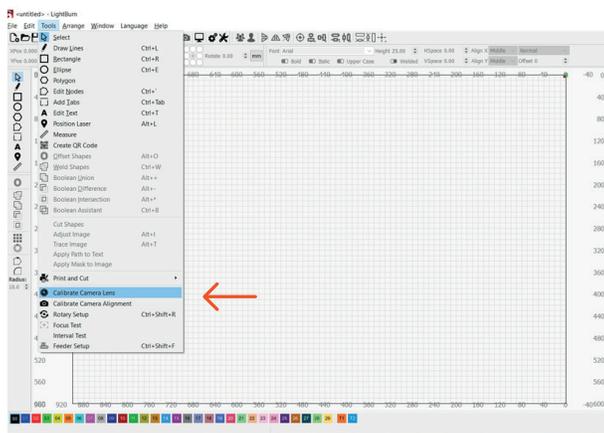- Computer with LightBurn
- Machine with LightBurn Camera
- 12"x12" Wood Board
- USB Cable

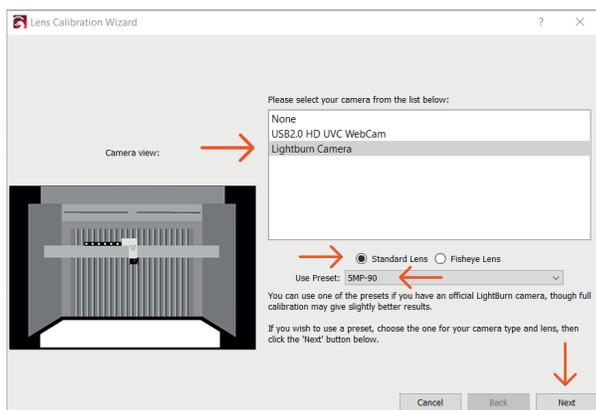**1** In LightBurn
- Click on the Tools dropdown window.
- Select Calibrate Camera Lens.

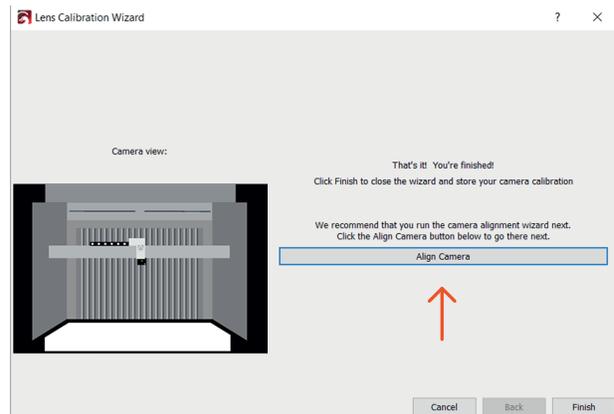**2** In the Lens Calibration Wizard window:
- Select LightBurn Camera from the list.
- Click the Standard Lens selection below the camera list.
- From the User Preset dropdown, select the 5megapixel 90 option.
- Click Next.

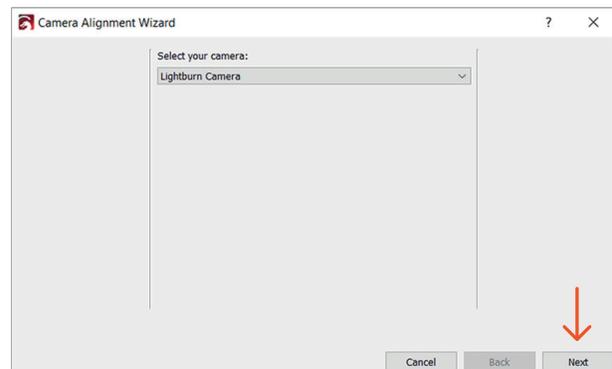**3** In the Lens Calibration Wizard window, click Align Camera.

4 In the Camera Alignment Wizard window:
- Select LightBurn Camera.
- Click Next.

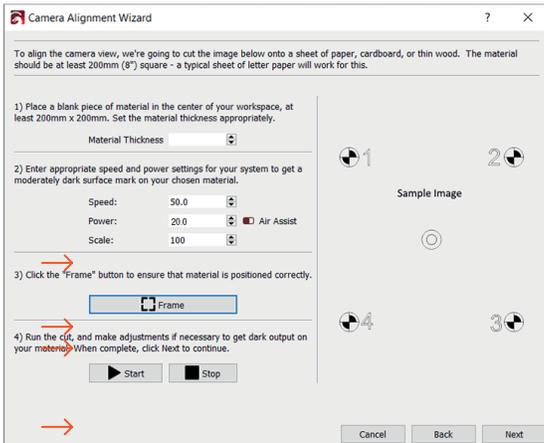**5** Lay a 12"x12" board in the center of the laser bed.
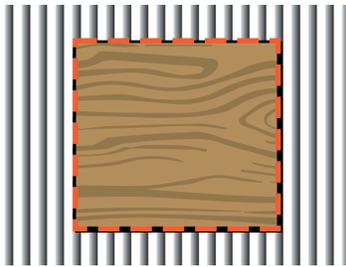

6 In the Camera Alignment Wizard window enter the:
- Material Thickness: _____
- Speed: 50
- Power: 20
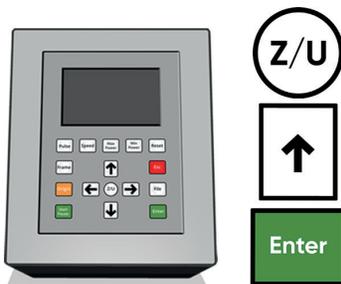
Material Thickness will vary based on the wood being used.

7 Once the settings are entered, click Frame.

8 Watch the red dot on the laser head as it frames the square.

9 On the machine keypad, press the Z/U button, press the UP button 6 times, and then press ENTER to focus the laser head.
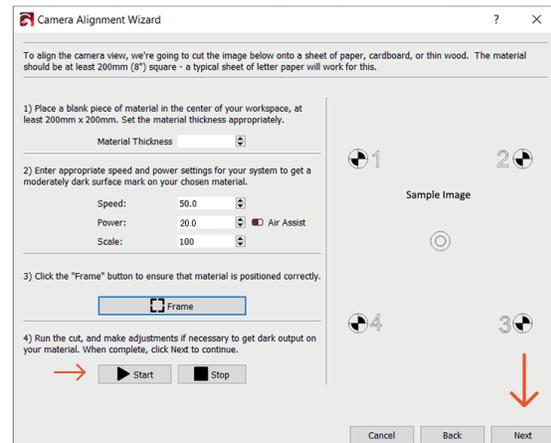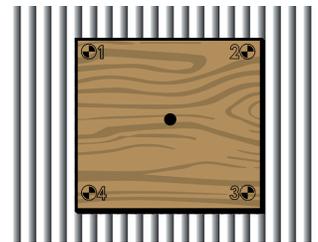
10 Close the lid.

11 In the Camera Alignment Wizard window, click Start.

CAUTION
Before clicking Start, ALWAYS ensure that onlookers are clear from the machine and are wearing their laser safety glasses.

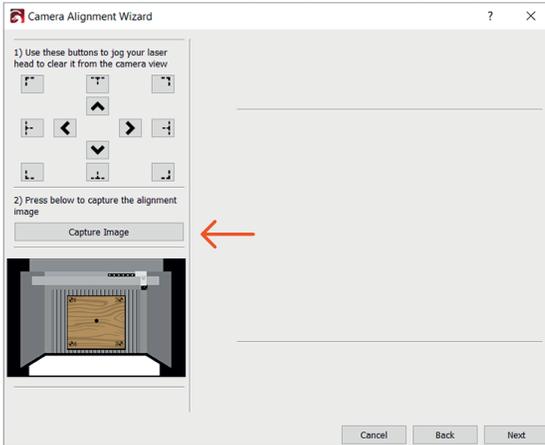**12** Once the laser has burned the sample image into the material, click Next in the Camera Alignment Wizard window.
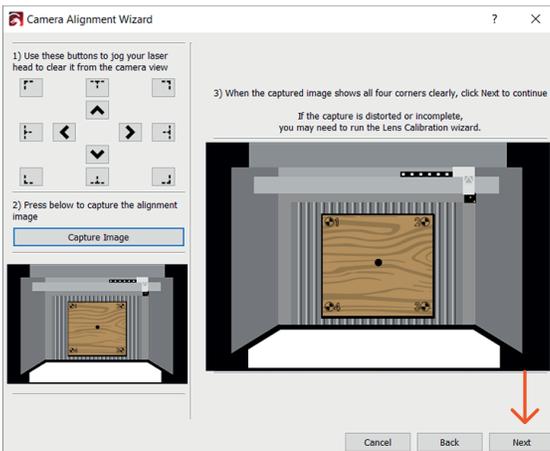
13 Lift the lid of the machine. Once the lid is open, gently press up on the lid, and allow it to settle back into the open position.
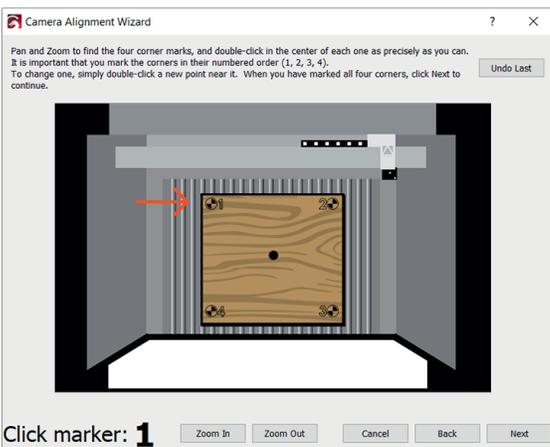
14 In the Camera Alignment Wizard window click Capture Image.

15 Once the image of the laser bed is captured in the Camera Alignment Wizard window click Next.

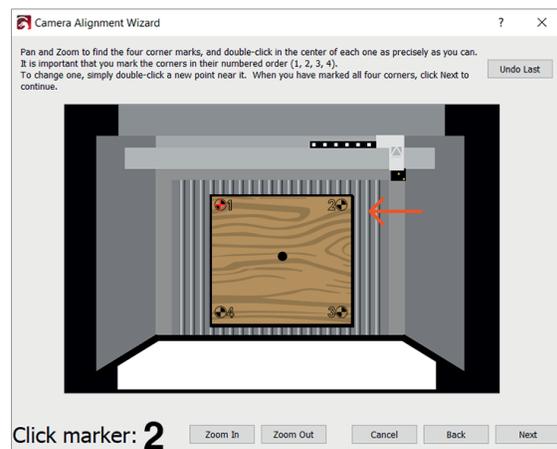**16** In the Camera Alignment Wizard window zoom in on Marker 1.

17 Double click on the center of the Marker 1 target.

NOTE
If you do not click on the exact center of the marker target, click Undo Last in the upper right corner of the Camera Alignment Wizard window. You can now double click on the center of the marker again.
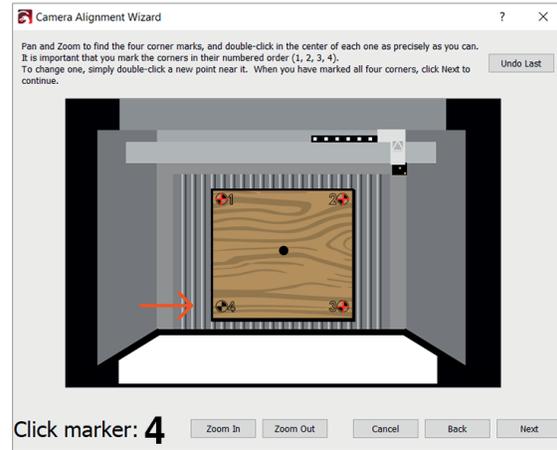
18 Zoom out from Marker 1, and locate Marker 2.

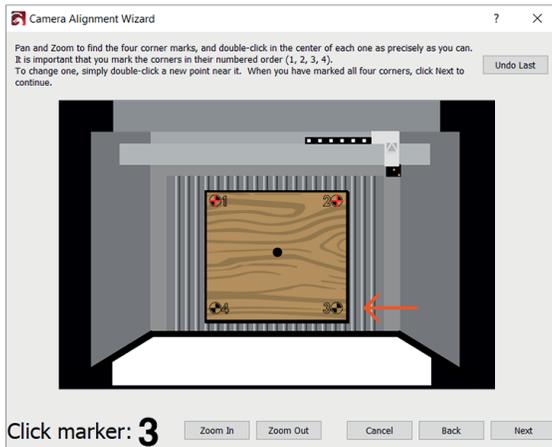**19** Zoom in on Marker 2, and double click on the center of the target.

20 Zoom out from Marker 2, and locate Marker 3.

21 Zoom in on Marker 3, and double click on the center of the target.

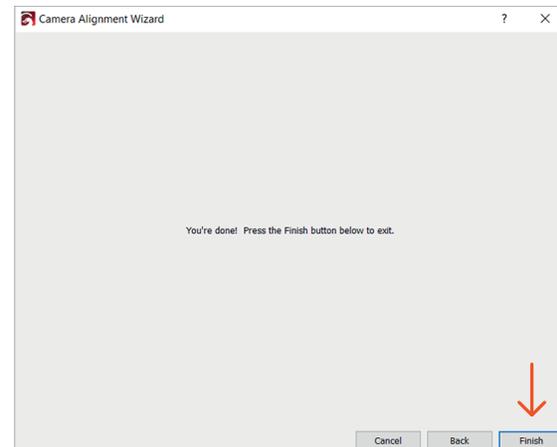**22** Zoom out from Marker 3, and locate Marker 4.

23 Zoom in on Marker 4, and double click on the center of the target.

24 Once you have clicked on the centers of all four Markers, click Next.

25 In the Camera Alignment Wizard window click Finish.