



Quality Checklist

123 SW 12th Street ♦ Loveland, Colorado 80537 USA ♦ +1-970-377-1111
www.lulzbot.com

Model: TAZ Assembled by: WP Manufacturing, Inc.

Serial Number: _____

Date Checked: _____

Checked by: _____

General

- ☐ Are all the screws and zip ties tight?
- ☐ Are the X and Y axis square to each other?
- ☐ Are the gaps at the ends of the extrusion closed?
- ☐ Are all the parts flush and straight to the edges with clean lines?
- ☐ Are the current version of parts being used?
- ☐ Do the bed & x-carriage zip ties stop the wires from sliding in and out?
- ☐ Verify that the following are mounted correctly:
 1. Feed tube, tube on back side of mount
 2. Spool mount, correct height
 3. Y axis, correct location in X and Y directions
 4. Double bearing on carriage, step side towards X motor
 5. Finger clip, taller side on left
- ☐ Are the switches tight?
- ☐ Are the switches flush or above the mounts?
- ☐ Are all 8 feet on?
- ☐ Does the outer spool holder slide in the inner spool holder smoothly?
- ☐ Is the PET tape free of bubbles and wrinkles?
- ☐ Is the heat bed adhesive smooth and consistent with no finger prints?
- ☐ Does the extruder mount have 4 unused inserts on the sides?
- ☐ Does filament slide through the feed tube?

Y Axis

- ☐ Does the Y bed move freely back and forth?
- ☐ Is the Y bed tight side to side from motion and twisting?



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- ☐ Are all the screws on the bearing holders tight?
 - ☐ Does the Y belt rub the bottom of the y-idler by the bearings?
 - ☐ Is the Y pulley tight?
 - ☐ Is one one of the set screws on the Y pulley aligned with the flat on the motor shaft?
 - ☐ Is the level of the Y pulley at the same height as where the belt mounts on the belt holder?
 - ☐ Are the belts tight?
 - ☐ Are the bed leveling springs/posts in the correct place?
 - ☐ Are all the Y mounting brackets flush and tight?
 - ☐ Are the Y bars approximately 4mm inside of the end plates?
 - ☐ Are the belts trimmed far enough to not interfere with the pulley or bearing?

X Axis

- ☐ Is the X pulley tight?
- ☐ Is one one of the set screws on the X pulley aligned with the flat on the motor shaft?
- ☐ Is the X pulley far enough out so the belt doesn't rub on the screw heads on the x-carriage?
- ☐ Is the X belt fully on the bearing through the entire travel?
- ☐ Are the belts tight?
- ☐ Does the X axis move freely end to end?
- ☐ Are the X bars flush with the left side?
- ☐ Are the screws that hold the X bars tight?
- ☐ Are the belts trimmed far enough to not interfere with the pulley or bearing?

Z Axis

- ☐ Is there a washer under the Z adjustment spring
- ☐ Is the Z adjuster vertical?
- ☐ Are the coupler zip ties tight. Do vertical pull test.
- ☐ Are the Z nut holders on the right side up with the spring under the nut?
- ☐ Are the Z bars flush with the top?
- ☐ Are the drive rods bents?



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- ☐ Have the drive rods been lubricated?

Extruder

- ☐ Can you adjust the extruder springs?
- ☐ Are the V grooves on the extruder gears lined up?
- ☐ Is the extruder mount secure on the x-carriage?
- ☐ Does the idler bearing stick out of the idler block?
- ☐ Is the hobbing aligned to the hole in the extruder?
- ☐ Is the set screw in the small gear tight and on the flat of the motor shaft?
- ☐ Can you feed filament about 115mm from the top of the extruder?
- ☐ Are the gears tight with no back-lash?
- ☐ Do the extruder gears turn smoothly for several rotations?

Electronics (leave cover off until inspected)

- ☐ Are the screw terminals tight with no insulation inside the clamp?
- ☐ Are the RAMBo board, switch and plugs wired correctly?
- ☐ Are the quick disconnect terminals pushed all the way onto the switch?
- ☐ Can you plug in USB cable from the outside of the enclosure?
- ☐ Is the fan mounted on the cover correctly?