

Model: LulzBot Mini 1 0 3D Printer

## QUALITY ASSURANCE RECORD

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	a. Baizbot Mini 1.0 c	D Tratter			
Serial Number: Date Completed: Tested by:					
Config	ruration:				
	Firmware: Marlin	AMBo 1.0a for Mini 2014-Q4 n diameter nozzle			
	Stepper Motor	Steps/mm	Max Length	Microstep Mode	Digipot
	Х	100.5	155	16	175
	Υ	100.5	155	16	175
	Z	1600	155	16	220
	EO	833	NA	16	135
Genera	Are all the screws and Are the current version. Is the Spool Mount properties the Finger Clip properties and 4 rubber feet in Is the PEI tape free of Is the heat bed adhesi	n of parts being use operly mounted so verly mounted with? They shouldn't wiustalled?	it flips up and sits the taller side on t ggle side to side. es?	he left?	
Y Axis:					
	Does the Y bed move	freely back and fort	th?		



☐ Are both pulley set screws tightened?

☐ Are the four bed leveling washers tight?

☐ Is the belt mounted in the correct orientation?

☐ Are all the screws on the bearing holders tight?

☐ Is the Y pulley tight?

☐ Is the Y belt tight?

☐ Is the Y bed tight side to side from motion and twisting?

☐ Does the Y belt rub the bottom of the y-idler by the bearings?

☐ Is the level of the Y pulley at the same height as where the belt mounts on the belt holder?

☐ Is one of the set screws on the Y pulley aligned with the flat on the motor shaft?

☐ Are the belts trimmed far enough to not interfere with the pulley or bearing?



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X Axis:				
	Is the X pulley tight? Is one of the set screws on the X pulley aligned with the flat on the motor shaft? Are both pulley set screws tightened? Is the belt mounted in the correct orientation? Is the belt free from rubbing anywhere during motion? Is the X belt tight? Does the X axis move freely end to end? Are the X bars flush with the right side? Are the set screws that hold the X bars tight? Are the belts trimmed far enough to not interfere with the pulley or bearing?			
Z Axis:				
	Do the Z drive rods rotate smoothly with no up and down movement between the bearings? Are the set screws that hold the Z bars tight? Are the coupler set screws tight? Are the drive rods and motor shafts aligned so the couplers are not bent?			
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? Is the extrusion fan mounted correctly? Is the extruder blower mounted correctly? 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 100mm from the top of the extruder? Are the gears tight with no back-lash? Do the extruder gears turn smoothly for several rotations?			
Electro	nics:			
	Are all connections to the Mini-Rambo plugged in correctly? Can you plug in USB cable from the outside of the enclosure? Is the case fan plugged in? Are all cables free from contacting any moving parts?			





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## Test and Verification Results:

verify case fan is running.
Verify extruder blower is running.
Verify control of the extrusion fan.
Nozzle temperature control verified.
Nozzle re-tightened during first heat cycle.
Extruder control verified.
X, Y, and Z min and max stop switches verified.
X and Y homing are making contact with bed leveling washer
Bed leveling is functioning properly.
Bed temperature control verified.
Bearing conditioning complete.
X, Y, and Z motion smooth over full range and speeds.
Test print (Rocktopus*) successful.
Print head moved to shipping position.



<sup>\*</sup>Rocktopus by Kent Johnson is licensed under CC BY-SA 4.0 and derived from work by dietz1 and yeoldebrian - lulzbot.com/rocktopus