

## **QUALITY ASSURANCE RECORD**

Mod	el: LulzBot Mini 1	.0 3D Printer			
Date	al Number: e Completed: ed by:		_		
Confi	guration:				
	Electronics: Mini-RAMBo 1.3a Firmware: Marlin for Mini 2015-Q4 Nozzle: 0.5mm diameter nozzle Settings:				
	Stepper Motor	Steps/mm	Max Length	Microstep Mode	Digipot
İ	Х	100.5	155	16	175
İ	Υ	100.5	155	16	175
Ī	Z	1600	155	16	220
	E0	833	NA	16	135
General:  Are all the screws and zip ties tight? Are the current version of parts being used? Is the Spool Mount properly mounted so it flips up and sits securely? Is the Finger Clip properly mounted with the taller side on the left? Are the switches installed securely? Are all 4 rubber feet installed? Is the PEI tape free of bubbles and wrinkles? Is the heat bed adhesive smooth and consistent? Is the frame free of scratches and scuffs?					
Y Axis	S:				
	Is the Y bed tight so Does the Y belt rule Are the Y pulley se Is the Y belt tight? Are the four bed le	side to side from to on the y-idler but set screws tight we eveling washers	motion and twist by the bearings? ith one aligned w tight?	ting? rith the flat on the mo ith the pulley or beari	





## **QUALITY ASSURANCE RECORD**

## X Axis:

	Are the X pulley set screws tight with one aligned with the flat on the motor shaft?  Does the X belt rub on the x-idler by the bearings?  Does the X belt rub on the screw heads of the belt mount?  Is the X belt tight?  Does the X axis move freely end to end?  Are the belts trimmed far enough to not interfere with the pulley or bearing?  Are the wires and zip ties behind the carriage free from touching the case wall?
Z Axis	:
	Do the Z drive rods rotate smoothly? Are the coupler set screws tight? Are the drive rods and motor shafts aligned so the couplers are not bent?
Extruc	der:
	Are the extruder springs set to 8mm between the cap and the latch? Are the V grooves on the extruder gears lined up? Is the hobbing aligned to the hole in the extruder? Can you feed filament about 100mm from the top of the extruder?
Electro	onics:
	Are all connections to the Mini-Rambo plugged in correctly? Are all cables free from contacting any moving parts?
Test a	nd Verification Results:
	Verify case fan is running. Verify extruder blower is running. Verify control of the extrusion fan. Nozzle temperature control verified. Extruder control verified. X, Y, and Z min and max stop switches verified. Bed leveling is functioning properly. Bed temperature control verified. Bearing conditioning complete. Test print (Octopus*) successful. Print head moved to shipping position.



<sup>\*</sup>Octopus by yeoldbrian is licensed under CC BY-SA 4.0