



9th October 2015

JG AURORA

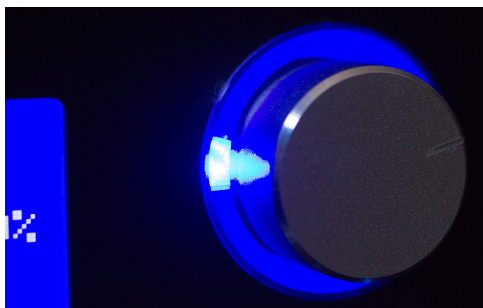
I have to say that I'm extremely impressed with this printer. Its all-metal construction is what grabs you once you first look at this unit. It's built strong, powdered coated steel.

There is surprisingly a lot of attention to detail. It has optical end stops, high quality rails, dedicated PLA blower fan, manual override switches on the front panel for LCD and FAN, SD reader for untethered printing.

Everything is metal - Including the heated BED, and bed support brackets which is a nice change. Even makerbot was plastic!

There are also really neat mechanisms in place to tighten your belts for really nice prints. Simply loosen two screws - pull tight as you can and then do it up again.

The LCD is large and clear - 3" I believe and is bevelled nicely into the front panel. To the right of the LCD is an aircraft grade large aluminium knob.



Features

280*180*180 Build Size

Up to 300mm/s print speed

MK3 Aluminum Heated Bed

Marlin Firmware

Accepts GCODE/STL

SD Card Reader for printing without a PC

USB connection

All Metal enclosure

All metal MK8 extruder

Included firmware controlled PLA ducts

Large 3" LCD display

Aircraft grade rotary dial

Optical end stops

Trapezoidal Z rod for precision

Built in belt adjustment

0.4mm brass nozzle

LED lighting built into print head

LED and FAN override switches

The stepper motors are black so they hide away nicely,

Everything about this printer screams quality. At the US \$785.00 price tag, you simply don't expect this level of detail and quality.

If I had to describe this printer to someone, I'd say it's as if ultimaker and makerbot had a love child - it's got the best of both worlds.

My ONLY complaint so far is that it is a little on the noisy side compared to my v slot extrusion rep-raps - but really that's not a big deal. It appears to be made for commercial/industrial markets, which is why the quality is high.

Also the build area is huge! 300x200x200 (12" x 8")

If you're after a printer that is built like a tank, prints super fine details at crazy fast speeds I highly recommend you consider this unit.

So far I love it! I should also mention that it takes GCODE and runs MARLIN unlike some other makerbot style units - so it works out of the box with CURA, SLIC3R and Simplify 3d. I've got this currently wireless using OCTOPRINT.

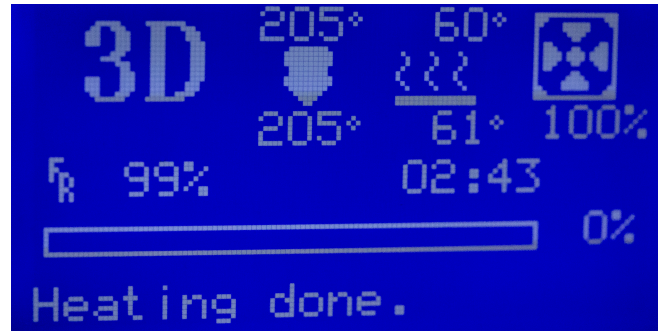
No funky proprietary software lock in here.

What we liked

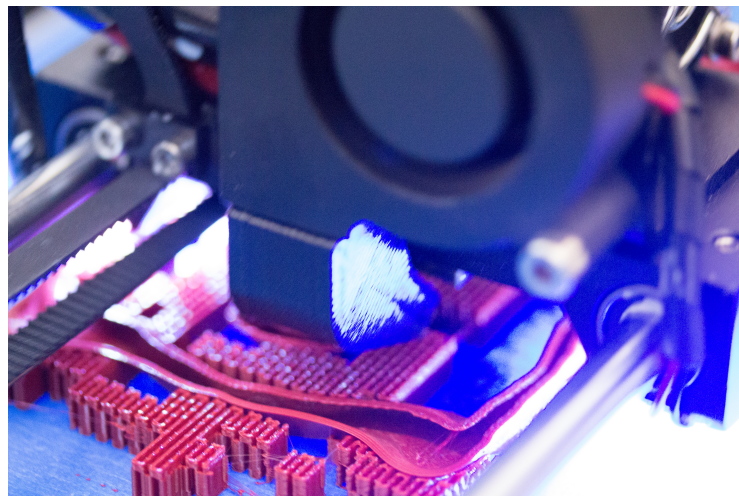
- Fast print times
- Large build volume
- Heated bed
- All metal
- Attention to detail

What we didn't like

- A little noisy at 75dB



8 / 10



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