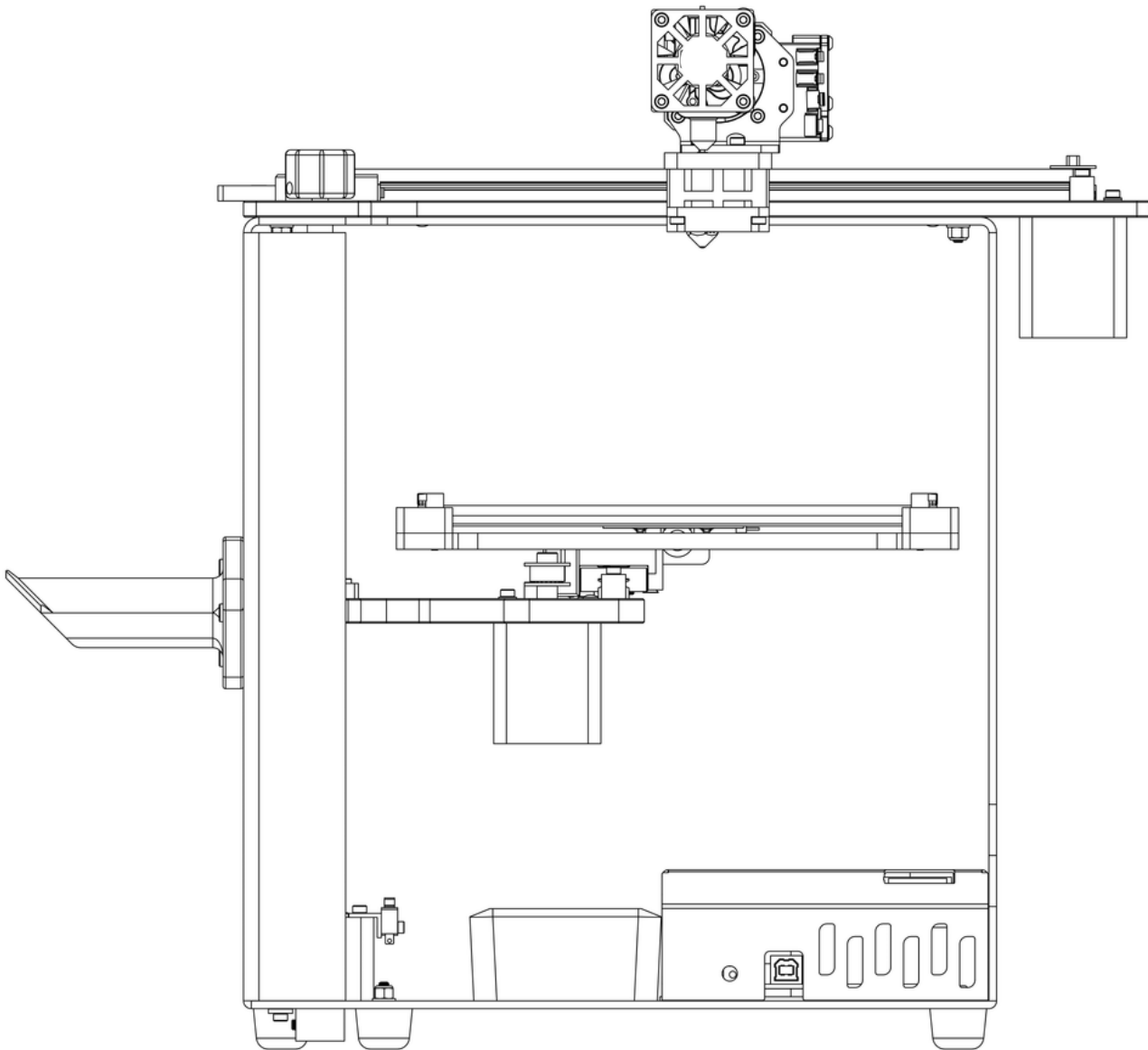




# M3

Specification Sheet



# Specifications



## PRINTER & PRINTING PROPERTIES

**Technology**  
**Extrusion**  
**Build Volume**

Fused Deposition Modeling (FDM)  
Single Extrusion  
203 X 254 X 203 mm

**Filament diameter**  
**Layer resolution**  
**Movement resolution**

1.75 mm  
0.020 - 0.350 mm (20 - 350  $\mu$ )  
0.001 mm (1  $\mu$ ) per micro-step.

**Print head travel speed range**  
**Build speed**  
**Build plate**

30 - 450 mm/s  
0.35 mm nozzle: up to 18 mm<sup>3</sup>/s  
Borosilicate glass plate with polyimide film.

**Build plate temperature**  
**Assisted leveling**  
**Assisted leveling method**  
**Printable materials**

20 - 130 °C (enclosed), 20 - 120 °C (not enclosed)  
Yes  
True-Level™ calibration  
ABS, HIPS, Nylon, PET-G, PET-T, PLA, polycarbonate, PVA, , TPE, TPU, metal composites, wood composites, carbon fiber composites, and more.

**Nozzle Type & Diameter**

Brass 0.35 mm standard, .25 - 0.75 available.  
Stainless steel 0.35 - 0.5 mm available.

**Nozzle Temperature**  
**Nozzle heat up time**  
**Build plate heat up time**  
**Operating Sound**  
**Connectivity**  
**Monitoring**

180 - 300 °C  
< 2 minutes (220 °C)  
< 4 minutes (70 °C)  
< 65 dBA  
Wi-Fi, LAN, USB  
Remote Monitoring Upgrade Kit (coming soon).

## PHYSICAL DIMENSIONS

**Dimensions with spool & full range of motion**  
**Unit weight**  
**Shipping weight**  
**Shipping box dimensions**

533 mm (21") x 610 mm (24") x 420 mm (16.5")  
12 kg (26.5 lbs)  
19 kg (42 lbs)  
535 mm (21") x 535 mm (21") x 535 mm (21")

## POWER

**AC Input**

100 - 120 V (4 A)/220 - 240 V (2 A),  
47 - 63 Hz 100 - 120 V (4 A)/220 - 240 V (2 A),  
47 - 63 Hz

**Power requirements / consumption**

24 V DC @ 15 A / 360 W maximum

## SOFTWARE

**Supplied software**  
**Compatible Software**

OctoPrint for MakerGear / M3 QuickStart  
A wide variety of free/commercial modeling, slicing, and hosting software programs.

**Supported OS**  
**File types**

MacOS, Windows, Linux  
STL, OBJ

