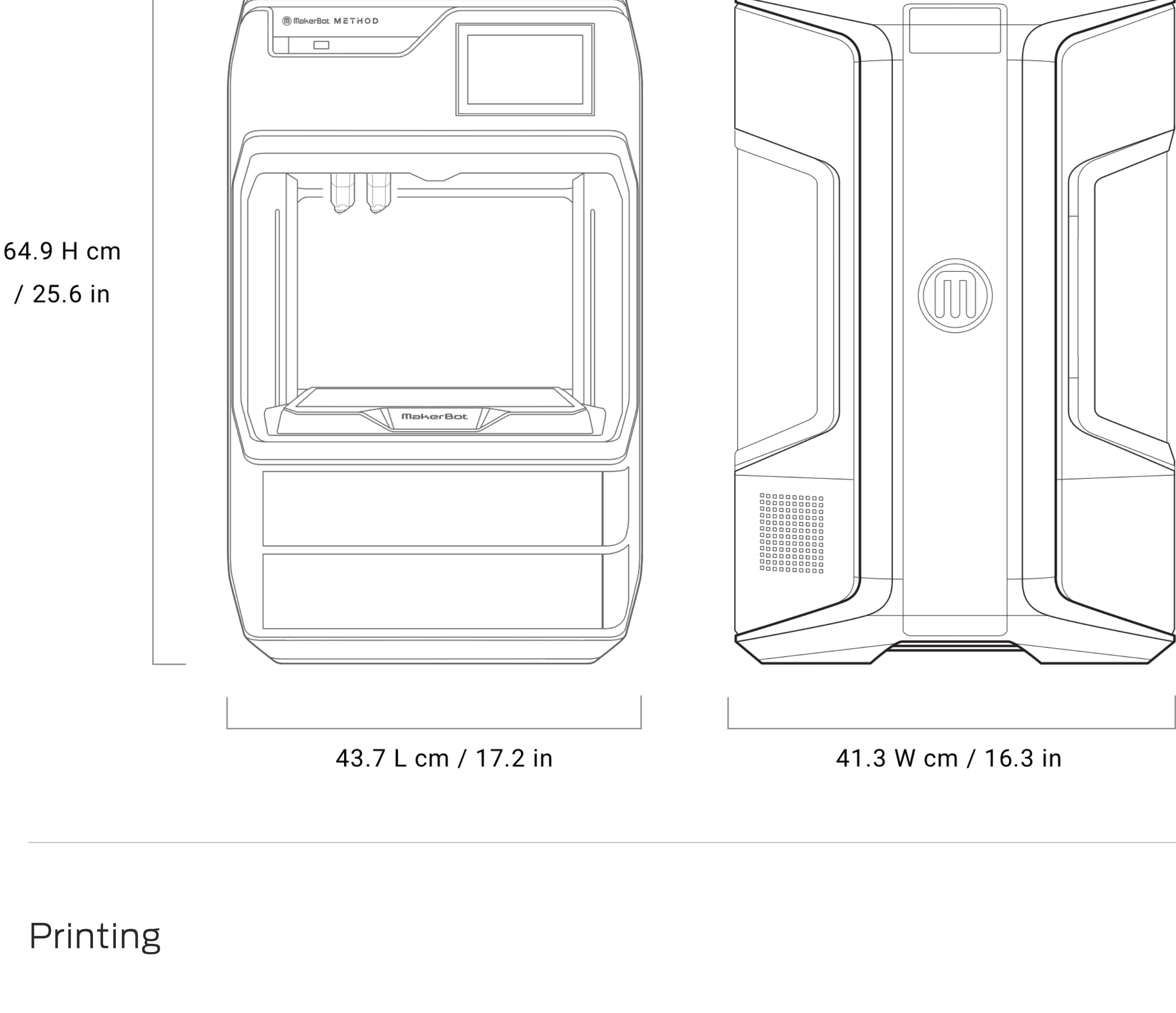


METHOD / METHOD X TECH SPECS



Printing

PRINT TECHNOLOGY Fused Deposition Modeling (FDM)	PRINT HEADS 2	DIMENSIONAL ACCURACY ± 0.2 mm ¹
LAYER RESOLUTION Range: 20 - 400 microns	PRINT MODES TUNED AND OPTIMIZED FOR: 100 microns - High Quality Print Mode 200 microns - Balanced Print Mode	
BUILD SPEED Up to 2x faster than desktop 3D printers ²	MAXIMUM BUILD VOLUME 19 L x 19 W x 19.6 H cm / 7.5 x 7.5 x 7.75 in single extrusion 15.2 L x 19 W x 19.6 H cm / 6.0 x 7.5 x 7.75 in dual extrusion	
Max Material Flow Rate: ~50 mm ³ per sec		
Print Head Travel Speed: Up to 500 mm per sec		

Product Testing

TEST HOURS 220,000+ total testing hours ³ (system reliability, subsystem, and print quality)	TESTED EQUIVALENT TO 25 YEARS 220K HOURS OF PRINTING ACROSS 110 PRINTERS
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Printer Hardware

<div>PRODUCT DIMENSIONS 43.7 L x 41.3 W x 64.9 H cm / 17.2 x 16.3 x 25.6 in</div>	<div>PRODUCT WEIGHT 29.5 kg / 65 lbs</div>
SHIPPING BOX DIMENSIONS 76.5 H x 50.0 W x 55.5 D cm / 30.1 x 19.7 x 21.9 in	SHIPPING BOX WEIGHT 37.1 kg / 81.7 lbs
FRAME CONSTRUCTION Aluminum Die Cast Base Extruded Aluminum Uprights Steel Weldment Gantry Frame	
TEMPERATURE CONTROL Circulating Heated Chamber	

<div>BUILD PLATE Flexible Steel Build Plate</div>	<div>BUILD SURFACE Reusable Grip Surface</div>
<div>DISPLAY 5" Full-Color Capacitive Touch Screen</div>	<div>CAMERA RESOLUTION 640 x 480 pixels</div>

Sensor Suite

21 sensors including:		
DRAWER Temperature Humidity Control Material Detection RFID	PERFORMANCE EXTRUDERS Temperature Material Detection Encoder (Jam Detection)	PRINTER Lid – Open/Closed Door – Open/Closed Temperature Sensors – Heated Chamber Calibration Sensors

Extruder Hardware

EXTRUDER THERMAL CORE LENGTH 48.2 mm	
MAX EXTRUDER DRIVE TORQUE 200 Newtons	
NOZZLE DIAMETER 0.4 mm	

Materials

SPOOL TYPE Smart Spools with RFID sensors	<div>SUPPORTED MATERIALS MakerBot Precision Materials: ABS, ASA, PLA, Tough, PVA, SR-30 MakerBot Specialty Materials: NYLON, PETG, more to come</div>
SPOOL SENSORS Remaining Material, Material Color, Material Kind	
<div>COLOR AVAILABILITY MAKERBOT PRECISION ABS ● Cool Gray ● True Black ● Natural ○ True White ● True Orange ● True Red MAKERBOT PRECISION TOUGH ● Slate Gray ● Onyx Black ○ Stone White ● Safety Orange MAKERBOT PRECISION PLA ● Cool Gray ● True Black ● Natural ○ True White ● True Orange ● True Red MAKERBOT SPECIALTY PETG ● Translucent</div>	

Operation

AMBIENT OPERATING TEMPERATURE 15 - 26° C / 59 - 78° F, 10 - 70% RH non-condensing
STORAGE TEMPERATURE 0 - 38° C / 32 - 100° F
PRINTER AUTOMATION Automatic Z Calibration, Automatic Nozzle Calibration, Automatic Material Loading

Safety & Compliance

FCC EMC Low Voltage Directive 60950-1, 62368
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Software

SOFTWARE BUNDLE MakerBot Print, MakerBot Mobile
SUPPORTED FILE TYPES MakerBot (.makerbot), STL (.stl), SolidWorks (.sldprt, .sldasm), InventorOBJ (.ipt, .iam), IGES (.iges, .igs), STEP AP203/214 (.step, .stp), CATIA (.CATPart, .CATProduct), Wavefront Object (.obj), Unigraphics/NX (.prt), Solid Edge (.par, .asm), ProE/Creo (.prt, .asm), VRML (.vrl), Parasolid (.x_t, .x_b)
OPERATING SYSTEMS Windows (7, 10) Mac OS X (10.9+)

Electrical

CONNECTIVITY USB Drive, USB, Ethernet, WiFi	POWER REQUIREMENTS METHOD 100 - 240 V 3.9A - 1.6A, 50 / 60 Hz 400 W max. METHOD X 100 - 240 V 8.1A - 3.4A, 50 / 60 Hz 800 W max.
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Warranty

MakerBot MakerCare 1-year Extended Service Plan	MakerBot MakerCare 2-year Extended Service Plan	MakerBot MakerCare 3-year Extended Service Plan	MakerBot MakerCare 1-year renewal Extended Service Plan*
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