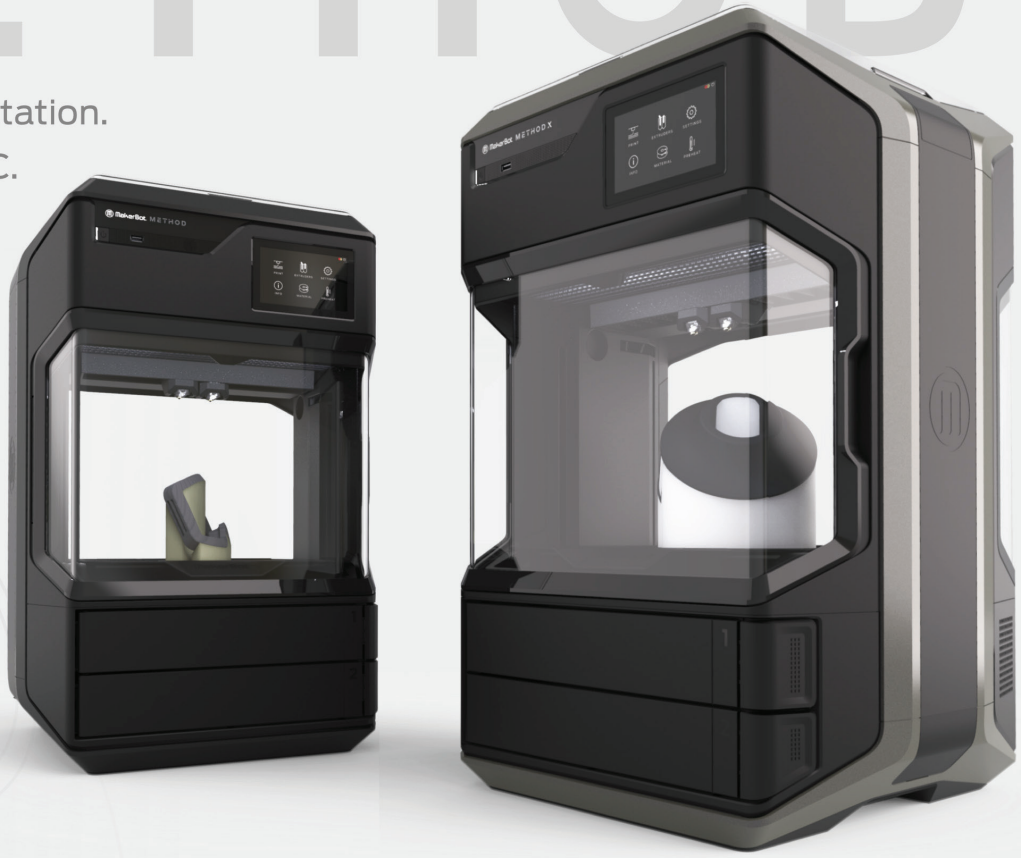
MakerBot

# METHOD

A Manufacturing Workstation.
Print Real ABS at 100°C.
Powered by stratasys



METHOD

METHOD X NEW

NEW
ABS

## PRINT REAL, PRODUCTION-GRADE ABS WITH A 100°C CHAMBER. POWERED BY STRATASYS®.

› Capable of withstanding 15°C higher temperatures than modified desktop 3D printer ABS material formulations

› Powered by Stratasys® SR-30 soluble support material

› Superior Z-layer bonding provides higher strength and better surface finish without warping and curling

## MANUFACTURING-READY MATERIALS INCLUDING REAL ABS, PETG, TOUGH, AND MORE.

› Finished part dimensional accuracy of ± 0.2mm (± 0.007in)[1]

› Get unrestricted geometric freedom with the METHOD dual extrusion system

› Print complex assemblies with exact tolerances

## AN AUTOMATED, TINKER-FREE INDUSTRIAL PRINTING SYSTEM.

› 2x times faster printing than leading desktop 3D printers.[2]

› 300,000+ total testing hours on 150+ printers (includes full system and sub system testing).[3]

› Seamless CAD to Part workflow with

AUTODESK® FUSION 360 AUTODESK® INVENTOR® SOLIDWORKS

# METHOD APPLICATIONS

### END-USE PARTS

Get dimensionally accurate, production-grade, real ABS end-use parts at a fraction of traditional manufacturing costs. METHOD reduces costs and saves time for small production manufacturing runs.

### MANUFACTURING TOOLS

Create durable, real ABS parts for the production floor. Print dimensionally accurate jigs, fixtures, and end-effectors that fit seamlessly with existing components.

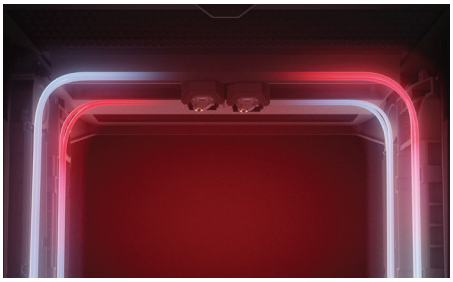
### FUNCTIONAL PROTOTYPES

Prototype with production-grade ABS to achieve part properties close to injection molded parts. Print dimensionally accurate assemblies and validate your designs to get your products to market faster—all at a fraction of industrial 3D printing costs.

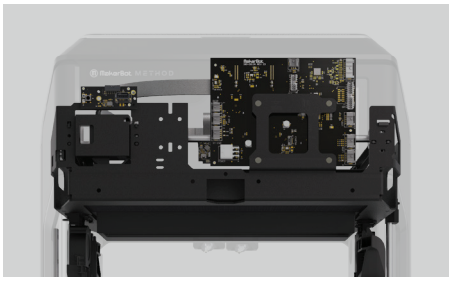
# FEATURES

### DUAL PERFORMANCE EXTRUDERS

### DRY-SEALED MATERIAL BAYS



### 100°C CIRCULATING HEATED BUILD CHAMBER[4]



### CONNECTIVITY AND 21 ON-BOARD SENSORS

# SPECS

### DIMENSIONAL ACCURACY
± 0.2mm / ±0.007in [1]

### LAYER RESOLUTION
Maximum Capability: 20 - 400 micron

### MAXIMUM BUILD VOLUME
Single Extrusion
19 L x 19 W x 19.6 H cm / 7.5 x 7.5 x 7.75 in

Dual Extrusion
15.2 L x 19 W x 19.6 H cm / 6.0 x 7.5 x 7.75 in

### EXTRUDERS
Dual Performance Extruders
(Model & Support)

### MAKERBOT MATERIALS FOR METHOD
ABS[4], Stratasys® SR-30[4], PLA, TOUGH, PVA, PETG + more to come

### MAKERBOT ABS PRECISION MODEL MATERIAL

**TENSILE STRENGTH**
43 MPa (12% higher than desktop 3D printer ABS)[5]

**TENSILE MODULUS**
2400 MPa (26% higher than desktop 3D printer ABS)[5]

**HEAT DEFLECTION TEMPERATURE (HDT B – 0.45 MPA)**
84°C (15°C higher than desktop 3D printer ABS)[5]

### POWER REQUIREMENTS

| METHOD | METHOD X |
|---|---|
| 100 - 240 V | 100 - 240 V |
| 3.9A - 1.6A, 50 / 60 Hz | 8.1A - 3.4A, 50 / 60 Hz |
| 400 W max. | 800 W max. |

[1] ± 0.2mm or ± 0.002 mm per mm of travel – whichever is greater. Based on internal testing of selected geometries.

[2] Compared to popular desktop 3D printers when using the same layer height and infill density settings. Speed advantage dependent upon object geometry and material.

[3] Combined total test hours of METHOD and METHOD X (full system and subsystem testing) expected to be completed around shipping of METHOD X.

[4] Available only on METHOD X

[5] Based on internal testing of injection-molded specimens of MakerBot ABS compared to ABS from a leading desktop 3D printer competitor. Tensile testing was performed according to ASTM D638 and HDT testing according to ASTM D648.