MakerBot Sketch Sprint

Product data sheet

3D printing at the speed of innovation.

The MakerBot Sketch Sprint sets a new standard in classroom productivity with its impressive print speed of 250 mm/s. That's a staggering 500% increase over the industry standard of 50 mm/s. This rapid speed allows educators to streamline their projects and maximize classroom time.

With the ability to produce high-quality prints faster than ever, teachers can effectively manage multiple assignments and engage students in hands-on learning experiences. Whether it's for collaborative projects, prototypes, or demonstrations, the Sketch Sprint empowers educators to keep the momentum going in the classroom without the downtime typically associated with 3D printing

✓ Resources, growth, & support

MakerBot provides comprehensive resources and support for educators and students, ensuring successful integration of 3D printing in classrooms. The Sprint printer includes access to the MakerBot Certification program, offering teachers professional development and students a pathway to develop valuable skills.

✓ Ready to print with Cloud Cura

Access the powerful Cloud Cura slicer through the Digital Factory platform. Teachers can efficiently manage student submissions, streamline print queues, and keep 3D printing projects organized—all from any device, with no software installation required.

✓ Resources for 3D printing success

With MakerBot Sketch Sprint, educators and students gain access to resources that make 3D printing easy—from training and lesson plans to community support—ensuring success in the classroom.

✓ Safe, reliable, and classroom-ready

Experience a safe and reliable 3D printing solution, designed for classrooms with advanced safety features and user-friendly operation, ensuring peace of mind for educators and students.

The MakerBot platform

Sketch Series 3D printers

Ideal for every skill level MakerBot Sketch is a solution that works for your classroom – whether it's your first print, switching to a bigger printer, or scaling your 3D printer program.

Digital Factory software

Trusted by millions of users across 14 languages, UltiMaker Cura integrates with any workflow through UltiMaker Marketplace plugins. Scale production and digital distribution with UltiMaker Digital Factory.

MakerBot certification

Nurture design thinking Self-paced, interactive training curriculum will prepare you and your students for 3D printing and building career skills that go beyond the classroom.

Endlessly scalable

Begin with a platform that can serve the 3D printing needs of teachers in a single classroom or scale it across a whole school district.

MakerBot Sketch Sprint technical specifications

Technology	Fused deposition modeling (FDM)
Print head	Single extrusion direct drive print head with replaceable extruder
Build volume Sketch Sprint	(XYZ) 220 x 220 x 220 mm (8.66 x 8.66 x 8.66 in)
Layer resolution	200 micron
Heated build plate temperature	Up to 110 °C
Build plate	Heated build plate
Nozzle diameter	0.4 mm
Compatible materials	MakerBot PLA, MakerBot Tough PLA
Filament diameter	1.75 mm
Dimensions Sketch Sprint	W 452 x D 400 x H 466 mm (W 17.8 x D 15.8 x H 18.3 in)
Net weight Sketch Sprint	22.26kg packaged
Supplied software	Digital Factory with Cura Cloud*
Connectivity	Wi-Fi (2.4GHz + 5GHz), LAN, USB port
Supported OS	MacOS, Windows, Chromebooks

Curriculum & Training

Educator's guidebook

Lesson plans, tips, and tricks in how to integrate 3D printing into the classroom. Projects span robotics, engineering, mathematics, science, art, history, and music.

Teacher certification

Prove your knowledge of 3D printing as a MakerBot expert and stand out as STEM education leaders.

Student certification

Give middle and high school students a proven edge. This hands-on 3D printing training boosts their design thinking skills and sets a foundation for measuring STEM proficiency.

The Sketch Sprint 3D printer includes:

Hardware

- One Sketch Sprint 3D printer
- Two spools of PLA, 0.25kg (1 blue, 1 orange)
- One build plate
- One nozzle
- One spool cover

Accessories

- One Sprint tool kit
- Grease
- Needle
- Screwdriver
- Snips
- Hex key kit

Software & training

- UltiMaker Digital Factory
- 1 year warranty
- 5 seats student certification
- 1 seat in teacher certification

Learn more at makerbot.com

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