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MakerBot Education Bundle with 3-Year MakerCare Preferred Protection Plan   B&H # MAEDUPLUS3 • MFR # EDUPLUS3

MakerBot

Special Order ⓘ

Expected availability: 3-7 business days

Free Standard Shipping on Orders Over $49

Product Highlights

- Includes 2 x MakerBot Replicator+ Units
- Includes 2 x Smart Extruder+ Units
- Includes 2 x 10-Packs of PLA Filament
- Three Years of Coverage per Replicator+

Reviews 0   ✏ Write a review | Q&A

Warranty: 3-Year

| 1-Year | 2-Year | 3-Year |

Bundle: Education Bundle

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MakerBot EDUPLUS3 Overview

MakerBot Education Bundle with 3-Year MakerCare

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Spark curiosity, bring STEAM concepts to life, and engage the entire classroom with the **Education Bundle** from **MakerBot**. This manufacturer's bundle combines several basic items that users will need in order to get started with 3D printing. Included are two MakerBot Replicator+ 3D Printers, two Smart Extruder+ units, two large 10-packs of PLA filament, the *MakerBot in the Classroom - An Introduction to 3D Printing and Design* book, and two MakerCare Preferred Cards, each of which provide three years of coverage for each of the Replicator+ printers under the MakerCare Preferred Protection Plan.

Replicator+ 3D Printer

*Engineered and tested for reliable and faster 3D printing, the **Replicator+ 3D Printer** from **MakerBot** prints up to 30% faster than is predecessor and offers a 25% larger build volume. For improved reliability and precision, it features upgraded hardware, such as a redesigned gantry and z-stage. It has also been tested for over 380,000 hours of use. It is constructed using PC ABS with powder-coated steel reinforcements, as well as aluminum casting and extrusions for the motion components.*

The Replicator+ features a build volume of 11.6 x 7.6 x 6.5"; a cubic build volume of 573 in^3; a layer resolution of 100-400 microns; Fused Deposition Modeling (FDM) printing technology that is compatible with Smart Extruder+ and Tough PLA Smart Extruder+ units; uses 1.75mm MakerBot PLA small and large spool filaments, as well as MakerBot Tough PLA large spool filaments; has a 1.8° step angle with 1/16 micro-stepping; 11 micron XY positioning precision; 2.5 micron Z positioning precision; and is equipped with a single 0.4mm extruder nozzle. Users may print their compatible CAD (.cad), STL (.stl), MakerBot (.makerbot), 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 (.wrl), and Parasolid (.x_t, .x_b) files in an open print chamber via 10/100 Ethernet, 802.11b/g/n Wi-Fi, or USB 2.0. The print bed itself is factory-leveled and constructed using a grip surface with a bendable Flex Build Plate.

The MakerBot Replicator+ is Cloud-enabled, allowing you to control and manage one or more printers over the cloud using MakerBot Print or MakerBot Mobile software. It can also be controlled using a built-in dial and an integrated LCD display, each of which allow you to maintain your 3D printer, preview print files, and access your object library. There is also a built-in 640 x 480 camera and this 3D printer operates using 100-240 VAC at 50/60 Hz. It is compatible with Windows 7 and 10 and Mac OS X 10.9 and later. Included is a MakerBot Replicator Smart Extruder+, a large MakerBot filament spool, a USB 2.0 Type-B to Type-A cable, a 4mm hex key, and a power cord.

In the Box

Bundle Items

2 x Replicator+ 3D Printer

MakerBot Replicator Smart Extruder+

Large MakerBot PLA Filament Spool (2 lb)

USB 2.0 Type-A to Type-B Cable

4mm Hex Key

Power Cord

Limited 6-Month Warranty

2 x Smart Extruder+ for the Replicator, Replicator+, Mini, and Mini+

Limited 6-Month Warranty

2 x 1.75mm PLA Filament (Large Spool, 10-Pack)

1.75mm PLA Filament (Large Spool, 2 lb, True Red)

1.75mm PLA Filament (Large Spool, 2 lb, True Orange)

1.75mm PLA Filament (Large Spool, 2 lb, True Yellow)

1.75mm PLA Filament (Large Spool, 2 lb, True Green)

1.75mm PLA Filament (Large Spool, 2 lb, True Blue)

1.75mm PLA Filament (Large Spool, 2 lb, True Purple)

1.75mm PLA Filament (Large Spool, 2 lb, True Black)

1.75mm PLA Filament (Large Spool, 2 lb, True White)

1.75mm PLA Filament (Large Spool, 2 lb, Cool Gray)

1.75mm PLA Filament (Large Spool, 2 lb, Warm Gray)

2 x 3-Year MakerCare Preferred Protection Plan for the Replicator+ 3D Printer

Book: MakerBot in the Classroom - An Introduction to

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Easy and Accessible 3D Printing

To help ensure easy, accessible 3D printing, the MakerBot Replicator+ comes with a Smart Extruder+ and all the standard features of its predecessor. A few of those features include an LCD display, an on-board camera, as well as USB 2.0, 802.11g Wi-Fi, and 10/100 Ethernet connectivity.

Engineered and Tested for Reliability

The MakerBot Replicator+ prints up to 30% faster than its predecessor and offers a 25% larger build volume. For greater reliability and precision, it features improved hardware, like a redesigned gantry and z-stage. To help ensure consistent performance, the Replicator+ 3D printer and its subsystems have been re-engineered and tested for 380,000+ hours across multiple facilities.

Combines with Workflow Tools to Streamline the 3D Printing Process

Save time and accelerate iteration by pairing the Replicator+ with MakerBot Print software and MakerBot Mobile. The Replicator+ is Cloud-enabled so you can control it remotely with MakerBot Print or the MakerBot Mobile app. With MakerBot Print, you can import Native CAD parts and assemblies, auto-arrange them during print preparation, and then print them on one or more printers. To get started printing quickly and easily, MakerBot Mobile offers a guided wireless setup.

Flex Built Plate with Grip Build Surface

With the Grip Surface, prints adhere better, resulting in reduced warping and curling. Prints are also easier to remove with the bendable Flex Build Plate. The build plate is also factory-leveled so your Replicator+ is ready to go right out of the box.

Includes the MakerBot Smart Extruder+

Double the warranty of its predecessor, the Smart Extruder+ is a culmination of product design and 160,000+ hours of testing that delivers dependable and consistent performance using MakerBot PLA filament.

On-Board Camera

Remotely monitor your print progress from MakerBot Print and MakerBot Mobile.

Ease of Use via the LCD Display and Dial

Along with a dial, the LCD display allows you to set up and maintain your 3D printer,

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Flexible Connectivity

Send print files to your 3D printer via 802.11b/g/n Wi-Fi, USB 2.0, 10/100 Ethernet, or with a USB drive. Control your printer via MakerBot Print or remotely with MakerBot Mobile.

Advanced Software

Control multiple printers from MakerBot Print so you can print on multiple build plates sequentially or simultaneously. Store, organize, and access 3D design files in your personal cloud-enabled library. MakerBot Print is free downloadable software that's compatible with Mac and Windows computers.

MakerBot Support

MakerBot Support offers comprehensive MakerCare coverage plans and responsive expertise from those who know MakerBot products best. Their support site also offers both intelligent troubleshooting and in-depth product information.

Optimized for MakerBot PLA Filament

Safe for the office, classroom, or home, this filament is non-toxic and easy-to-print with minimal warping or curling. The Replicator+ and MakerBot's software are tuned to provide high quality with this filament.

MakerBot Tough PLA Filament

Created for engineers and designers, MakerBot Tough PLA Filament allows you to print durable, high-impact strength prototypes and fixtures. This filament is tested and optimized to print reliably and easily with the Tough PLA Smart Extruder+.

||||| UPC: 817913013498

Smart Extruder+ for the Replicator, Replicator+, Mini, and Mini+

*Compatible with 5th generation or newer models of the Replicator, Replicator+, Replicator Mini, and Replicator Mini+, the **Smart Extruder+** from **MakerBot** is a user-swappable spare or replacement extruder that has been tested for over 160,000 cumulative hours to help ensure greater print success over time and to deliver dependable and consistent 3D printing performance. A spare extruder also helps to ensure minimal downtime.*

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General Features

Meet the Smart Extruder+

Enjoy ease of use and reliability when using MakerBot PLA filament with the Smart Extruder+

Keep Reliability Close at Hand

The Smart Extruder+ was rigorously tested for over 160,000 hours to help ensure greater print success over time. It comes backed by a limited 6-month warranty.

Keep a Backup and Keep on Printing

Keeping a spare extruder on hand helps to ensure minimal downtime and uninterrupted results.

▕▏▏ UPC: 817913013412

1.75mm PLA Filament (Large Spool, 10-Pack)

*This 10-pack of 1.75mm **PLA Filament** from **MakerBot** contains one large, 2 lb spool of each MakerBot True Color filament - True Red, True Orange, True Yellow, True Green, True Blue, True Purple, True Black, True White, Cool Gray, and Warm Gray.*

This filament is used with MakerBot PLA Printers to print 3D objects. Since PLA, or polylactic acid, is a bioplastic derived from corn, it doesn't emit toxic fumes when melted in the course of 3D printing.

Use this filament with 3D printers intended to work specifically with PLA, since they are engineered to cool the object rapidly after extrusion so that the PLA will retain its shape.

▕▏▏ UPC: 817913012118

3-Year MakerCare Preferred Protection Plan for the Replicator+ 3D Printer

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*The **3-Year MakerCare Preferred Protection Plan** from **MakerBot** provides three years of coverage for their Replicator+ 3D Printer, with a 1-business day response time and coverage for unlimited qualifying incidents. If this warranty is not purchased, then your Replicator+ will be covered by MakerBot's limited six-month warranty. However, if you do opt to add this three years of protection, it will need to be bought within 60 days of the purchase date of your Replicator+ and is valid for three years from the purchase date of your Replicator+.*

Please be aware that the maximum amount of additional coverage that can be purchased is three years. This warranty cannot be extended any further.

▌▌▌ UPC: 817913013719

Book: MakerBot in the Classroom - An Introduction to 3D Printing and Design

*Designed for teachers who want to introduce 3D printing into their curriculum, **MakerBot in the Classroom - An Introduction to 3D Printing and Design** will encourage students to design, collaborate, create, and solve problems. Whether you're a teacher who has never used a 3D printer or one who is familiar with it, this book gives the basics of 3D printing, as well as ideas, projects, and activities.*

MakerBot in the Classroom is divided into three sections, with the first being a primer on 3D printing technology. The second section explains how to download, scan, and design models to print, and the third covers how to sample 3D printing projects. Each project also introduces a different free 3D design software tool. For example, the Make Your Own Country, which casts students as surveyors of a new land, starts in Tinkercad. While this book is a physical copy that is shipped, users will be able to download a sample chapter and project from MakerBot once their MakerBot Replicator is registered.

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