

- Robo E3 3D Printer
- Extended 2 year warranty
- MyStemKits Starter Plan (print up to 20 kits)
- Online Training 2 hours
- Extra Parts Pack - includes 1 flex bed, 2 build sheets, and 1 nozzle.

A 3D Printer Built For Education: Safe, Smart, and Simple

Fully Integrated with [MyStemKits.com](https://www.mystemkits.com)

The **Robo E3** new generation smart 3D printer with Wi-Fi is built for classrooms by providing safe, smart and easy-to-use features — equipped with a fully enclosed structure and HEPA filter for safety, a 5.9 x 5.9 x 5.9 inch print space, a quick removable nozzle, heated print bed, and much more! The Robo E3 also comes complete with a MyStemKits Starter Plan allowing you to 3D print up to 20 K-12 STEM lessons. When you want to make it real - make it Robo.



Flexible connectivity

Connect Robo E3 to your Wi-Fi, USB, or Ethernet. If no internet connection is available, connect using Robo E3's personal hotspot.



Auto Calibration

Spend more time making without having to manually adjust the print bed – plus, it's removable.



Removable nozzle

Easily swap nozzles through the simple buckle design. No need to use tools to disassemble the entire extruder during maintenance.



HEPA filter

Enclosed printer includes HEPA filter to ensure particles do not escape outside the printer, making it safer for classrooms.



Heated print bed

Improves the quality of each print, prevents warping, and allows you to print in many different materials.



Prints most materials

Open source filament system allows you to print with different types of materials giving you the ability to do more.



Color touchscreen

Built-in color touchscreen lets you easily launch projects and adjust your printer controls for optimal results.



Flexible print bed

Easily remove prints by flexing the removable print bed.



Filament run-out detection

Automatically pauses your 3D print and notifies you when you've run out of filament, saving you time and money.



Automatic filament loading

Robo E3 will detect when filament is inserted or removed from the intake, prompting loading or unloading function.



Cloud functionalities

Wherever you are, manage multiple 3D printers through two different cloud services - Polar Cloud or Robo Cloud.



Onboard camera

Remotely monitor each print in real time, letting you watch it come to life - all through the cloud desktop or mobile device.

MyStemKits.com

Integrate 3D Printing with **STEM** Lessons for a Unique, Hands-On Learning Experience



MyStemKits is a standards driven curriculum developed by Florida State University with NGSS, Common Core, and State-Standards fulfillment in every lesson.



Easily teach your students STEM and project based learning initiatives using the world's largest library of 3D printable kits and curriculum with over **240+ STEM Lesson Plans**.



One click print the 3D models for every lesson plan using cloud connection to your Robo 3D printer.



MyStemKits lessons include:

- 10+ page lesson plan
- Teacher guide
- Student activities and handouts
- Ready-to-print 3D models
- NGSS/Common Core (by state) standards alignment



Tech specs

Print size

5.9 x 5.9 x 5.9 inch
150 x 150 x 150 mm

Layer resolution

100-400 microns

Size

15.28 x 13.39 x 15.94 inch
388 x 340 x 405 mm

Print technology

Fused filament fabrication

Packaging size

18.9 x 16.54 x 20.08 inch
480 x 420 x 510 mm

Print speed

Up to 100mm³/s

Weight

19.84 lbs
9 kg

Print head

Quick change nozzle

Print bed temperature

Up to 100°C (212°F)

Print head temperature

Up to 250°C (500°F)

Nozzle diameter

0.4 mm nozzle

Requirements

File transfer

USB, Wi-Fi, Ethernet, Cloud printing

Software

Robo print or Cura free preparation software

Supported OS

Windows, macOS, Linux, Vista

Languages

English
Spanish
Chinese
German
French
Italian
Korean
Czech
Japanese

Robo Cloud

Robo Cloud is an online platform, achieving Cloud management for your E3 3D printer/s and the uploading and storage of 3D printable files. Together with a social sharing function, Robo Cloud is an integral 3D printing resource platform. In the future, Robo Cloud will add an online model design/modify function, support online printing status checks with a linked camera, and support the Robo app to achieve mobile cloud management. Enter the "3D Printing+" era together with Robo!

Google Chromebook Compatibility

With Robo Cloud, you can print directly from your Google Chromebooks in the classroom. Just log in, upload your model, slice it, and send it to your Robo E3 3D Printer. We make it easy to incorporate the tools you already use in the classroom.

Cloud Slicing Function

Files you are ready to print are sliced in the Cloud automatically, then transferred to your printer with a few simple clicks.

Online Print Management

Monitor your print progress/status in real time. Online print managements also lets you manage multiple Robo E3 3D printers through one account.

Free Model Database

Robo Cloud provides a free model database.

Fully integrated for MyStemKits.com

One-click 3D printing integration for MyStemKits.com K-12 STEM curriculum, which allows you to implement 3D printing into the classroom effectively and easily.

Print Job Que

Robo Cloud allows you to que up multiple prints, keeping you organized and on top of your 3D printing projects.

Contact details: sales@robo3d.com

www.robo3d.com