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- One to replicate them all -

Electronics - Mechanical - Filaments

Third issue of our newsletter already! Most people are getting back from vacation, getting ready to start printing again :) So on to the news now! If you have feedback regarding the newsletter or you like to share your own news that is interesting for our audience, please feel free to drop a email at: info@reprapworld.com.



Having your printer run autonomously can have some advantages. For one, you don't need to have your PC running the whole time. Or you can use your PC without worrying to accidentally cancel your print. Finally running of SD may run smoother than transferring many lines of gcode quickly over USB. In any case, there are some solutions to get your printer to run autonomously or stand-alone.

To run autonomously, you need to store your gcode on the printer, using flash memory. With

Megatronics, Minitronics and RAMPS you can run prints of an SD card. Megatronics has a microSD card reader on board, the other two need an external sd card reader. To control your printer in running from SD easiest is to use a LCD and a keypad. The Marlin firmware already has a menu structure to allow you to select a gcode file and start a print. But the LCD is not required as Marlin will check the SD card for the file auto0.g and run it on power up. Also when there are multiple files auto0.g, auto1.g, auto2.g etc, Marlin will play them sequentially.

Without a PC attached, the 5V circuit on your electronics cannot be powered from USB and will not run. Most electronics allow you to switch to 12V as source for the 5V circuit. You can check the documentation of your electronics on how to set this, mostly by setting a jumper or soldering a diode.

[Leopoly introduces community-based 3D creation platform with new coloring & customization features](#)

Leopoly is about to launch a web-based creation platform. It is a very user friendly program, which makes it a great starting program for beginners.

[Roland DG Australia unveils its first DLP 3D printer](#)

Roland DG has announced the release of their first MonoFab series. This is the first big company to announce the release of a 3D printer.

[The F3D 3D prints a pizza in less than 20 minutes](#)

The F3D 3D printer is a food printer that prints and bakes the food within 20 minutes. The only problem is that not all foods are available in paste form.

[Frame Punk Is Eyeing the Balance Between Expensive and Cool 3D Printed Eyewear](#)

Frame Punk is trying to integrate 3D printing in the sunglass industry. They want the prototyping made by 3D printing to lower the development costs, when they have made the prototype they will use that for mass production.

[3D printed Castle!](#)

Andrey Rudenko, has built a 3D printed castle for children to play in. He also thinks it will be possible to build actual houses with 3D printing.

What's new?



E3D

[E3D](#) is now in our assortment of 3D-printer products! Very powerful, full metal extruder. With our thermo couple by default in the package, you can get temperatures up to 400 degrees! No more melting plastic parts except for the filament itself of course.



Thermistor 100K pre-crimped wire (1.5m)

New version available of our [Thermistor 100K pre-crimped wire \(1.5m\)](#)! Now with fiberglass sleeves, so it can take up to 300 degrees (thermistor limit) without a problem. Easily mount the thermistor wire using kapton to your hot end fo great durability.

Highlights



RAMPS Electronics - Atmega 1280 (Arduino-compatible)

We have still some old stock of [RAMPS Electronics - Atmega 1280 \(Arduino-compatible\)](#) for sale while we are cleaning out the stock. Check the sale section, also for other great discounts!



3D Lac (NL,BE,LU,DE only)

Great for printing ABS directly on glass: [3D Lac](#). Just spray, wait till it dries and start printing without warping! Works even at temperatures as low as 50 degrees C. Unfortunately only for customers in NL,BE,LU,DE, due to shipping restrictions.

* Prices are excluding VAT and subject to change without notice