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Located in The Netherlands

Electronics - Mechanical - Filaments

Summer has flown by and the new season is starting. To start the season good, new products like our new metallic filaments are now available. Also we are working hard on a new graphical LCD module which will be released soon, so keep your eyes on the website for the announcement. In this newsletter we'll talk a bit about the new filaments, changes on our website and we have a cool printer of one of our customers. 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 an email at: info@reprapworld.com.

Meet the 3DBigmama printer

Events



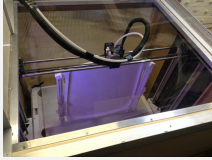
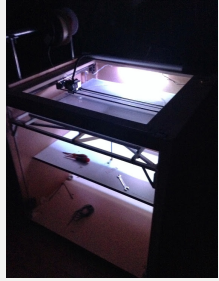
This printer is designed by Simone Nencini (Stampa3D), which took about 8 months. The printer has a build volume of 610x640x530mm with a Z-resolution of 30 to 400 micron. The longest printing time is 150 hours with no problems! He's been printing out chairs and such with our 2.3kg spools.

3/8: Beer and pizza!

The first Thursday of the month is our beer and pizza party in our office in Nootdorp. You are welcome to ask questions, show your printer, talk with like-minded 3D printer enthusiasts. Check our [facebook](#) for pictures of the previous events!



Check out all his amazing prints at his [Google+](#)



3D printer news

[Made In Space successfully completes 3D printing in vacuum of space, outside the ISS](#)

3D printers have slowly and very successfully been creeping into the aerospace industry, where giants like NASA are even embracing the technology as a way of manufacturing spacecraft parts on long-term missions in the future. While a little bit like something out of sci-fi, that concept has just become far more realistic. Made In Space, which was founded with the express focus of zero-gravity 3D printing, has just announced that they have successfully concluded 3D printing experiments in the vacuum of space.

[How to turn your smartphone into a 3D hologram projector with simple 3D printed pyramid](#)

While hologram technology is occasionally associated with 3D printing technology as an interactive design tool, one Italian designer is taking things even further by using 3D printed tools to create holograms. Called Gianluca Pugliese, he had developed a remarkably simple way to turn your smartphone into a holographic projector: simply 3D print a transparent pyramid and place it on top of a playing video in a dark room.

Metallic filaments



We've added some brand new PLA filaments to our assortment. These filaments have a cool metallic look! We've been looking for a realistic metal-like filament for quite a while now. We wanted a filament that has a real metallic shine to it, but most of the filaments we've tested did not meet our requirements.

These metallic filaments are actually the easiest metallic materials we've ever printed with. The printing temperature is around 170 degrees for most of the colors which is quite low considering it is still PLA.

We've tried printing a lot of objects with this material and came to the conclusion that this is a very nice filament to work with and it gives great results. We are offering this filament in multiple weights: 0.2kg, 0.5kg and 1kg. If you wish to give it a try you can order a small spool of 200 grams for only €7.50. This way you can get an idea of what this filament looks like without having to order a complete kilogram. If you click on the images, you'll get to see a high resolution version of the prints.

Check out the filaments [here](#).



[Google's partially 3D printed humanoid Atlas robot goes on successful walk in the woods](#)

While we've seen plenty examples of basic 3D printed robots already, virtually all makers have greatly struggled with implementing an autonomous walking ability especially where rough terrain is involved. But one subsidiary of Google is showing the rest of us how it's done. Boston Dynamics, purchased by Google in 2013, has been working on a 1.88 meter tall bipedal, partially 3D printed, rescue robot for a while now, which has just completed a very successful test run out in New England's nature.

[RedWorks seeks to 3D print housing on Mars using in situ resources & generative design-based 3D printing method](#)

Ever since man first landed on the Moon, it's hard to argue that the last two years have seen some of the most exciting developments in space exploration on record - including the countless efforts by Elon Musk and his team at SpaceX to the launch of the first 3D printer - and subsequently, 3D prints - in space thanks to Made in Space. "Using Additive Manufacturing (better known as 3D printing) Redworks is blazing the way forward to the first settlements on Mars," explains the company. "Our team studied simple construction principles of ancient cultures, such as pit houses and pueblos, as well as organic structures found in nature like those found in the shell of the nautilus. The team then adapted those principles to work best with the available resources on the surface of Mars."

[Tiny 3D printed smart microfish robots may deliver drugs in your blood](#)

Robots and 3D printing are a combination that goes right back to the dawn of the 3D printer, but we rarely see them combined with a microscope. Because that is what you'll need to see the 3D printed smart 'microfish' robots, developed by a team of researchers from the University of California to inject in bloodstreams and perform complex medical tasks. The diverse capabilities attributed to them include functioning as sensors, detoxification, directed drug delivery and much more. The research behind these microfish was led by Professors Shaochen Chen and Joseph Wang of the NanoEngineering Department at the University of California, San Diego, and was published in the journal *Advanced Materials* (Aug. 12 issue).

Website changes

FILTERS
You can filter products using the drop-down boxes

Product information
Choose a brand name - All values -

Spool dimensions
Weight spool - All values -

Printing properties
Filament type PLA
Specialty - All values -

We are continuously improving the website to give our customers the best shopping experience possible. In the last few years the number of products we sell has been increasing rapidly, to around 650 active products today. This increase of products makes it harder to find the right product you are looking for. In the past few months we have changed the product categories a few times to make it easier to find a certain product. But for filaments it was still difficult to navigate between the categories.

To remedy this, we have recently introduced filters for the filaments category. If you click on filaments in the navigation menu on the left, it will show a list of available filters. When you navigate to sub-categories, the filters will be adjusted based on the products available. This allows you to quickly select a diameters, filament type and brand. But also 'special' filaments like flexible, glow in the dark, translucent, etc. We think this will help you shop more efficiently on our website.

Also we are translating our website to different languages, to give people the website in their local language. Currently we plan on translating the website to Italian, German and Spanish. Dutch was recently added already.

New products



Super lube

This is the best lubricating oil for your printer, to keep everything slide smoothly!

The logo for Purement, featuring the word 'Purement' in a stylized font with a green-to-blue gradient.

Antimicrobial

We now also have an antimicrobial filament available! Normal filament tends to attract lots of germs and mold, making it unsuitable for small children and objects touched by many different people. Purement filament will stop germs from multiplying and reduce the amount of pathogens over a short time.

Highlighted products



ABS 3mm/1kg €12.49

We have temporarily decreased the sales price for a lot of the ABS 3mm to €12.49, this excellent price gives you the chance to finally try ABS for yourself!



Kossel mini kit €549.99

Our recently released kossel mini kit is now on sale for only €549.99, get your own 3D printer now! This Kossel Delta printer is a high performance and fast printer. All the materials used for this kit are high quality items. Check it out in our [printer kits](#) section!

* Prices are excluding VAT and subject to change without notice