

The last newsletter for 2015, we have had a great year with lots of highlights. The Beagle, the Vaeder extruder are just two of those. 2016 is going to be an even greater year, we will have the launch of the Vaeder extruder and lots of new products in our webshop. 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](mailto:info@reprapworld.com).

Happy new year!



 **REPRAPWORLD**

Wishes you a Happy New Year

## Beer and pizza!



On the 7th of January we will have our first beer and pizza party of 2016. And because we want to start the new year with a BANG! we will have a extrude off. The vaeder extruder is going to show us how good he really is. So don't miss this special beer and pizza edition it is going to be a blast! if you are interested in pictures of the previous beer and pizza party's check our facebook. hope to see you on the 7th!

## Ultratronics - RepRapWorld's 32-bit electronics



On the left you see the prototype of our new 32-bit electronics board 'Ultratronics'. It's based on the Arduino DUE and has lots of the proven features of Megatronics, but it's optimized for extreme 3D printers. It has support for 7 stepper drivers, 5 thermistors, 4 thermo couples, 4 extruders and a heated bed. It will have ethernet access, on-board SD and I2C. The first tests are very promising, so we expect availability in Q1 of 2016. Pre-orders will start soon, we plan to have a limited amount of boards for the first batch, so keep an eye on our website for more information!



Real Filament, Real Prints

### New REAL-filaments

#### REAL-flex

Introducing our newest super-filament; REAL-Flex is a biodegradable, environmentally friendly PLA compound with the strength and weather resistance of PETG, flexibility of TPC and ease of use of PLA. Optimal print temperature is between 195 - 210 deg C; heater bed optional. Not only does REAL-Flex have low warping, its layer bonding and ambient bed adhesion is in fact so strong that we suggest increasing bed temperature simply to allow easier part removal during cooldown.

-NEW! 0.5kg spools of filament  
We've modified the spools to 0.5kg spools

New colors:

- Glow in the dark
- Brass

#### **eSun filament**

-ABS+ and PLA+

This is an upgraded version of ABS and PLA, it has improved qualities such as,

- No risk of crack formation
- 3D-prints are smoother with higher precision;
- Hardness is 10 times better than PLA;
- Higher stiffness, better gloss and transparency.

#### **Vaeder extruder (coming soon)**

A new era of extruding has arrived! The Vaeder extruder cold end drives the filament from both the top and the bottom using a belt instead of the conventional method of driving the filament from one side using a hobbed bolt. This prevents almost all blockages of the nozzle due to the increased driving surface and the elimination of filament grinding caused by the hobbed bolt.



\* Prices are excluding VAT and subject to change without notice