The Fume Free ZYYX 3D Printer now prints unlimited colors and unlimited materials in one print

Today magicfirm Europe will release a new ZYYX Firmware together with new Simplify3D profiles.

This ZYYX 3D Printer release boasts a world premiere, the first FFF 3D Printer capable of printing unlimited number of colors and materials within one layer.

This is made possible through a novel function added to the SW and the new great multi part features in the ZYYX Slicer software Simplify3D.

The upgrade is available free of charge for all existing customers.

The ZYYX 3D Printer is available for purchase at the same price as earlier, 1550 EURO.

At just a quick glance you might think nothing has happened to the new ZYYX 3D Printer, but don't be fooled. Thanks to user feedback and hard work the team behind the ZYYX has once again added new features.

"We try to push the boundaries of what you can do with a 3D printer every day, and one such boundary is multi-color and multi-material. By innovative engineering work and the help of the team at Simplify3D we can now give all ZYYX users the freedom of multi-color and multi-material, and all this with just a firmware upgrade.", says Mats Moosberg, the creator of the ZYYX 3D Printer.

There are solutions to change filament at a specific layer already, both community solutions and some commercial products.
The team behind the ZYYX have taken this feature one step further, The ZYYX 3D Printer can now pause anywhere also within a layer to allow you to change filament.
You can also print with a new material on a non planar surface of the previously printed part.

This is all done by creating individual processes in Simplify3D for each part of the model, and telling Simplify3D to use a new material for each of these processes.

You can assign different print profiles to different part of your print, to allow for embedded parts in not only a different color but also a different material.

"The team behind Simplify3D has done an excellent job enhancing the multi material functionality in the version 3 of Simplify3D. This really enabled us to make a user friendly system in terms of multi material capabilities.", Says Mats.

Logotype in with correct colors
Even though a logo in relief is useful you have probably wished that you can add the logo in correct color instead, now this is possible.

Sign Making
Making a sign with a 3d printer just got much more fun, add as many colors as you like in one layer and let the printer work out when to switch filaments.

Multi Material
Do you want rubber feet on your model, just design the feet as separate parts and assign the TPE profile to that process. If you want a brass like insert in a wood PLA base, just choose the appropriate print settings and let the printer work out when to switch filaments.

Advanced printing
Even though there are limitations, if you design your object with parts split up in the right places, you can make very complex designs incorporating both multi material and mulit color, printable in one go.

There is a limitation, the next print process needs no be such that the print head does not hit any of the already printed parts, the basic rule is that the next print process should not go more that 1mm below the previous, but with some simple design rules you can get around this limitation as well.

This new ZYYX feature will be shown at the TCT Show in Birmingham, at 3DPrima booth G43, Hall 3A, one of the very valued resellers of the ZYYX 3D Printer.

The new firmware will be available for download from www.zyyx3dprinter.com on 2015-09-30, in addition to new profiles made available by Simplify3D.

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About the company
Magicfirm Europe AB is a manufacturer of 3D printers and owner of the brand ZYYX 3D Printers, the company was founded in 2013.

The Magicfirm Europe AB office is located next to Chalmers University of Technology in Gothenburg, at the premises of the Chalmers Innovation incubator.