

3D printing—the future of “do it yourself”

Harold Reedijk, a 3D enthusiast, designs and builds his own 3D printer with the help of colorFabb XT made with Eastman Amphora™ 3D polymer.

Sometimes, you just like to do it yourself. This is the approach Harold Reedijk took when he began designing his very own 3D printer. Having previously made additions to his own 3D printer by creating a heated bed and hot-end replacement for his Ultimaker Original, the logical next step for Reedijk was to create a printer on his own. Basing its design on the Ultimaker Original, he decided not to create it entirely out of aluminum to save on costs, instead opting to print his own printer parts.

Needing functional parts on a budget, he started experimenting with different plastics materials formulated for 3D printing. PLA was tough enough for the application, but too much pressure on the parts caused breakage and part failures. ABS wasn't even considered based on fumes alone. Thus, by process of elimination, Reedijk chose colorFabb XT made with Eastman Amphora™ 3D polymer.

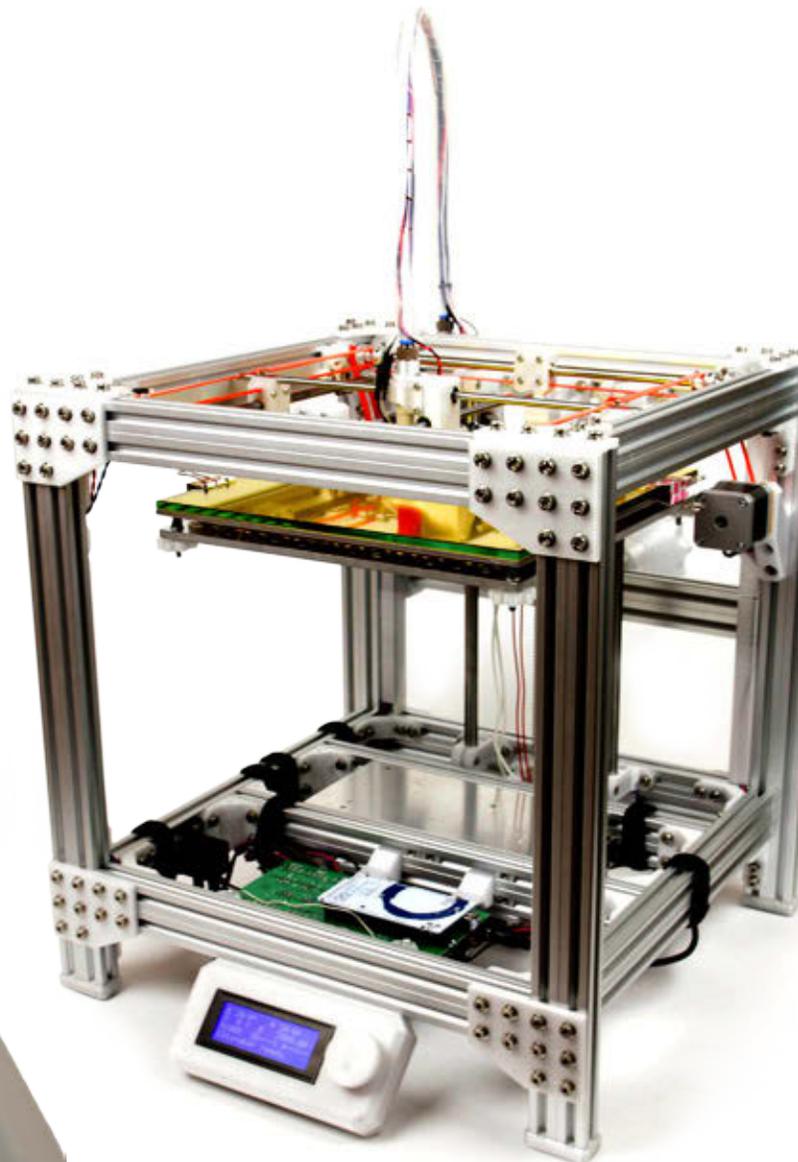
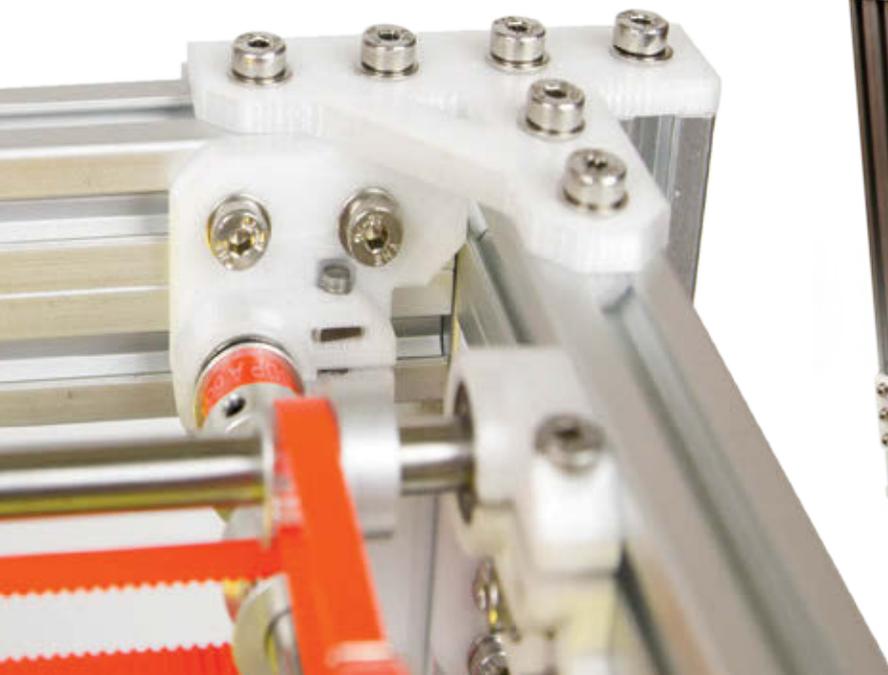
“I bought a spool, printed some test parts to test the general strength, toughness and impact strength, and it exceeded my expectations,” said Reedijk. colorFabb XT impressed him so much that it has become the only filament he uses for printing. The functionality and low odor make it easy to work with in any setting—at home or in the office.

Printing the results

The end result was a 3D printer that was equally as stunning as it was functional. For the future, Reedijk is considering releasing DIY kits for the XT 3D printer but may just keep it as his own exclusive machine.

For more information on Eastman Amphora™ 3D polymer, visit www.eastman.com/3D.

To purchase colorFabb XT made with Eastman Amphora™ 3D polymer, visit www.colorfabb.com.





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