





Universal Paste Extruder for 3D printers

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Located at: http://www.youmagine.com/designs/universal-paste-extruder-for-

3d-printers

Excerpt:

This is a universal paste extruder for RepRap and other 3D printers. It allows you to experiment with various pastes on your 3D printer without the need for any air compressor equipment or valves etc.

Description:

Originally developed and shared 6th April 2012 -
 This is a universal paste extruder for RepRap and other 3D printers.
br>
It allows you to experiment with various pastes on your 3D printer without the need for any air compressor equipment or valves etc. < br>It simply uses the existing Extruder motor output from your printer's electronics.

 lt's designed to fit on my universal Quick-Fit X Carriage

 And it will also fit on Prusa and Greg style X carriages.
 7th-4-2012- Split and added Gear set on two plates for Cupcake and smaller build-bed machines.

11-April - Uploaded Sketchup Source files (sorry for the delay)
1 challenge you to make one that works with 50ml Syringes! or do a fully parametric version in SCAD :)
br><hr>And a very big thank you to Greg Frost (and derivatives) for the wonderful work done on the Parametric Involute Bevel and Spur Gears script, without this, the gear set would have taken me a lot more time to make.
br><hr>An assembly video for the Universal Paste Extruder can be found here, giving you details of how to build one up - youtu.be/iiyEOKpz_b8
You can print with Ceramic Clays, Silicone, Sugar pastes, solder paste for PCB assembly, Chocolate, Frostings, Masa Harina, and all sorts of other food's or pastes that can be extruded through a syringe.

A Blog post on the Extruder is Here - <a href="http://richrap.blogspot.co.uk/2012/04/universal-pasteextruder-ceramic-food.html" target=" blank"

rel="nofollow">richrap.blogspot.co.uk/2012/04/universal-paste-extruder-ceramic-

food.html
>Printing with Sugar paste video - <a

href="http://youtu.be/vEqLvqTCDko" target=" blank"

rel="nofollow">youtu.be/vEqLvqTCDko
Frinting with Chocolate - <a

href="http://youtu.be/tbVVTOQOPyU" target=" blank"

rel="nofollow">youtu.be/tbVVT0Q0PyU
Printing with Porcelain Clay - youtu.be/x8lLdNDrXrc
br>Printing with Masa Harina (Corn chips) -

<a href="http://youtu.be/cUvu522Q f4" target="blank"

rel="nofollow">youtu.be/cUvu522Q_f4
>Intro video - youtu.be/Moiyvq8P2Vs

If you can, please use the online documentation found at http://www.youmagine.com/designs/universal-paste-extruder-for-3d-printers because those may have been be updated. Also, there you can interact and provide praise and/or feedback.