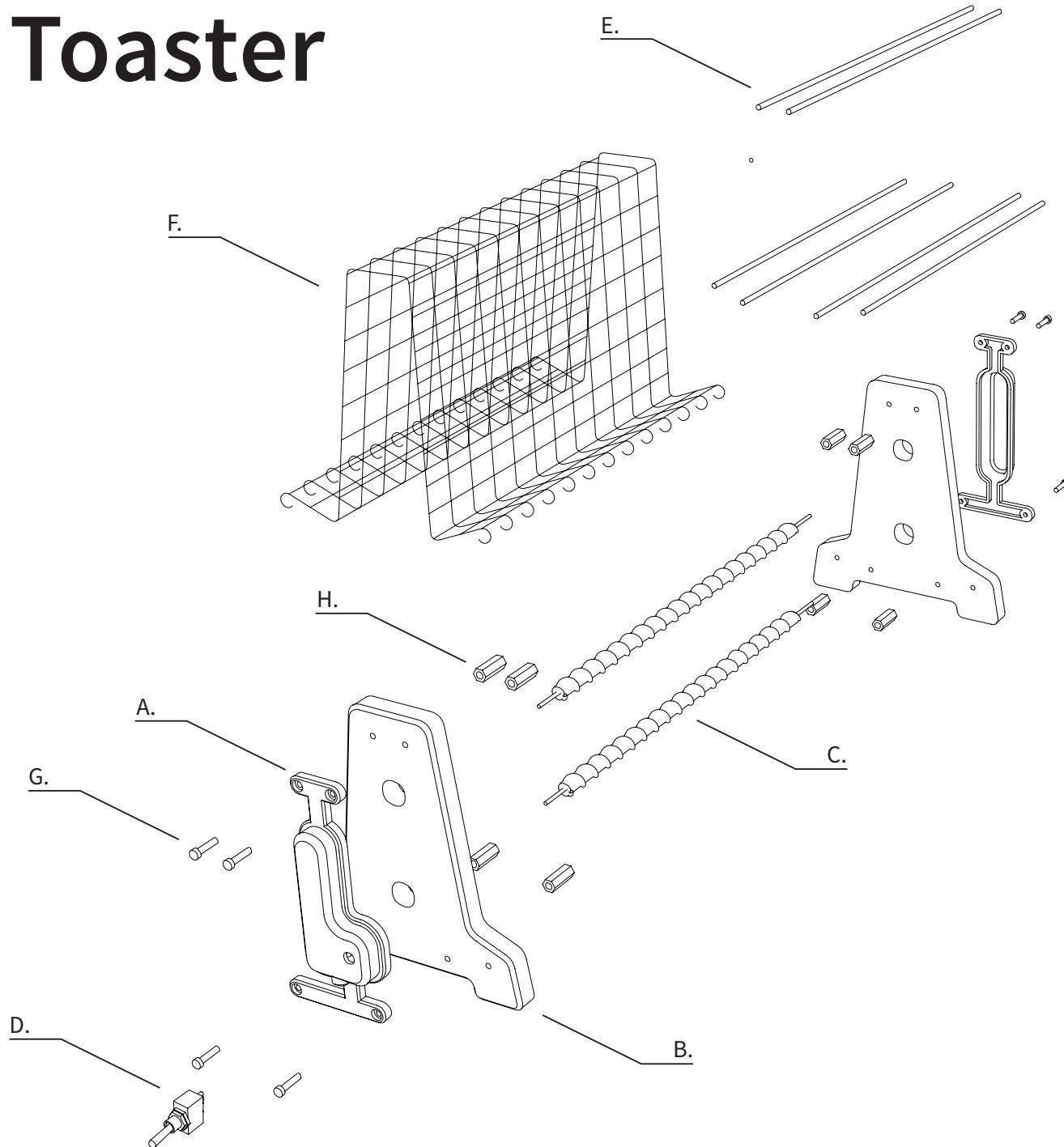


Toaster



A. Switch Covers - 3D Printed

OpenStructures Compatible
thingiverse.com/thing:25803

B. Side Panels - CNC Milled

OpenStructures Compatible
thingiverse.com/thing:25804

C. Heating Elements

Recouperated
from Tefal Express LS or Similar

D. Toggle Switch

Standard Component
rs-online.com / item# 734-7141

E. Stainless Steel Mesh (1mm)

Standard Component

F. M3 Stainless Steel Bars

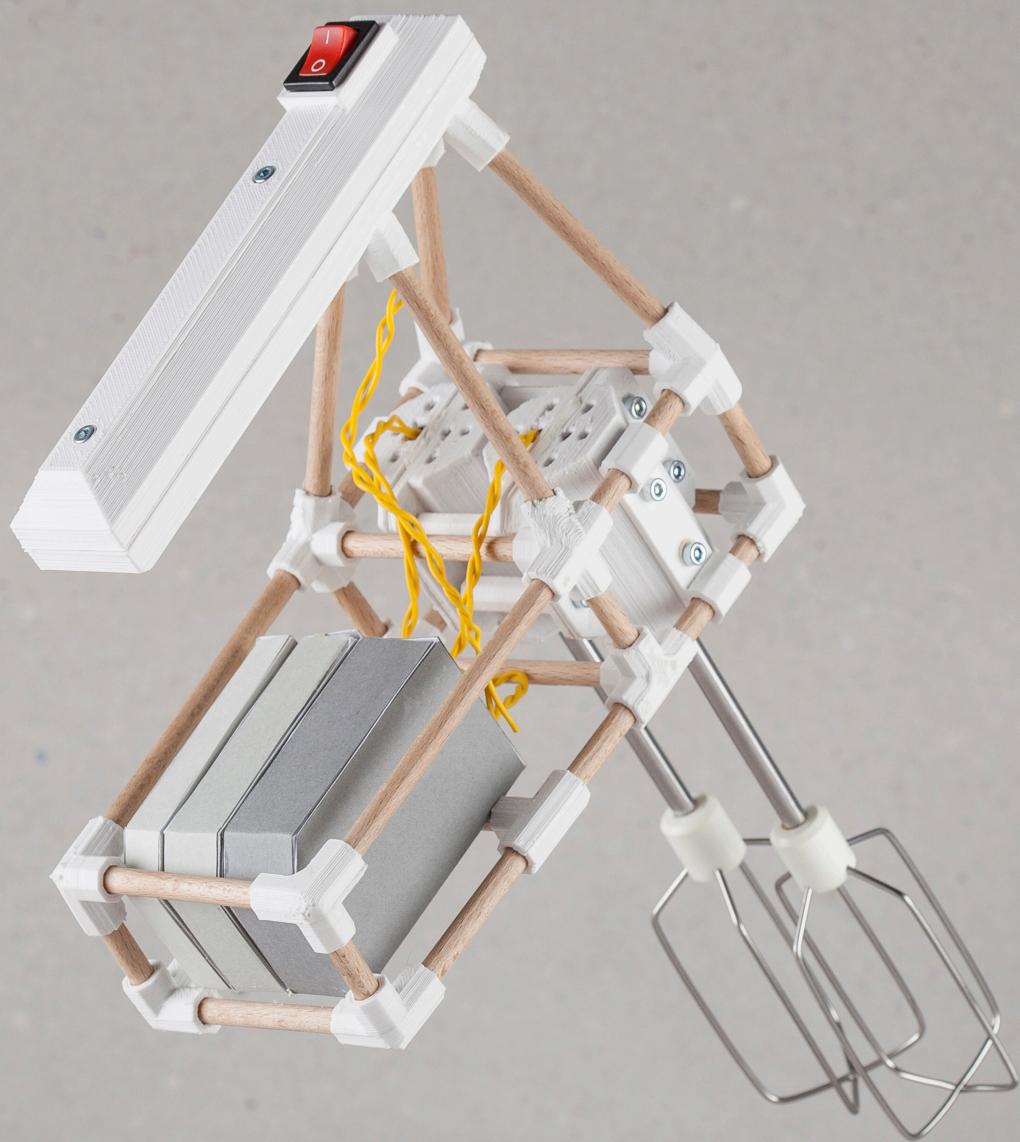
Standard Component

G. 20mm M3 Bolts

Standard Component

H. 10mm M3 Standoffs

Standard Component



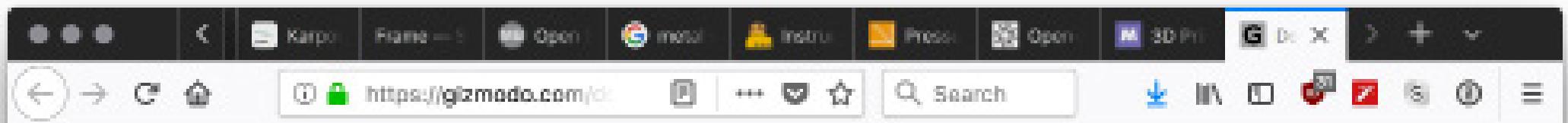
petitiveness of safety – the large company buys-out or swallows-up the smaller one. The product in question is then either rolled into a larger service or abandoned all together. But in the case of Etherpad, things played out a bit differently. As expected, after announcing the acquisition of the company by Google, AppJet laid-out plans for phasing-out, and eventually discontinuing the Etherpad Service. However, after the acquisition announcement, the team made the decision to release the project's code as open source. As described in a blog-post by Iba, the motivation of this release was “to let the world run their own Etherpad servers so that the functionality can live on even after we shut down...”¹.

Subsequently, this plan has played out fairly well. After the shutdown of the original platform at Etherpad.com, development continued. The product is freely available for private use, and has been incorporated into commercial services such as the project management app Wrike². New “public instances” of Etherpad have appeared – sites that host the software as a publicly accessible service. Today, six years after the demise of the original site, new “pads” can be created, by anyone, through sites operated by Mozilla, MIT, the German Pirate Party, and many others. Most importantly, each of these instances is completely independent of the others, or of any overarching infrastructure. If one website goes down, others would continue to operate up until, presumably, hundreds of plug-in instances had been created. Each instance can be adapted to the needs of those who use it.

Which brings us to the question: what does an Etherpad look like if it is not a physical object? This question is in a sense a question about the type of product and its nature.

“The immateriality of software allows it to operate according to very different rules and requirements than does the solid physical nature of objects”





GIZMODO

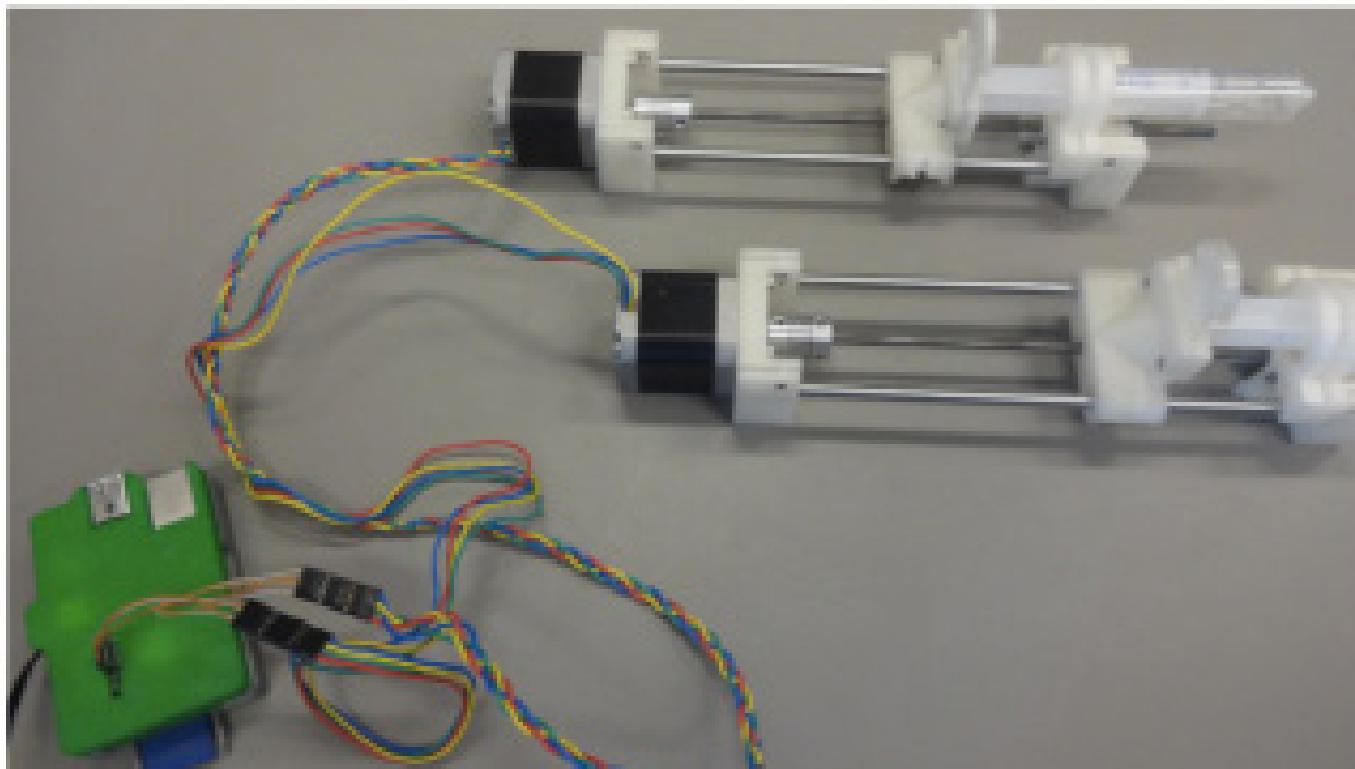
VIDEO SPLOID PALEOFUTURE 109 SCIENCE REVIEW FIELD GUIDE DESIGN

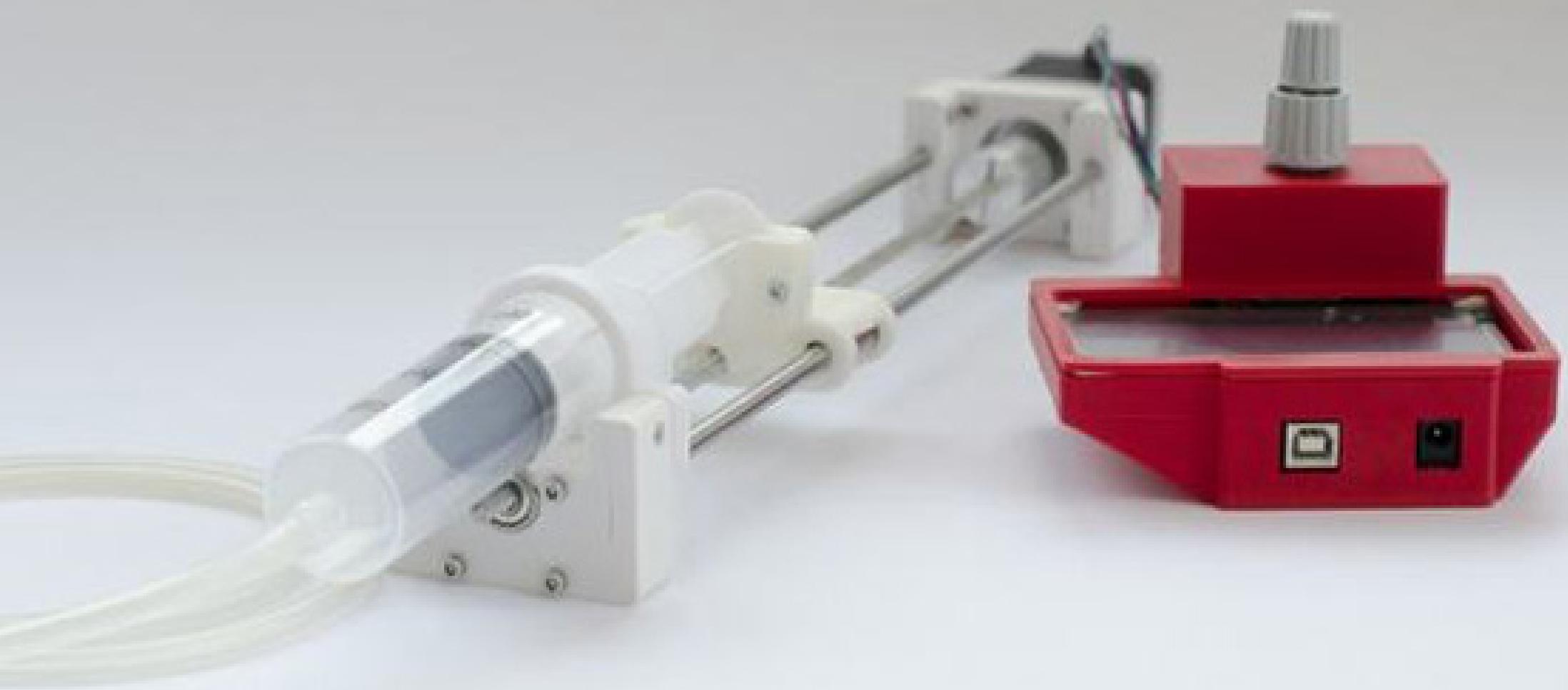
Doctors Could 3D Print Their Own Tools For a Fraction of the Cost



Kelsey Campbell-Dollaghan

9/12/14 6:25pm - Filed to: 3D PRINTING





The screenshot shows a web browser window with four tabs open:

- openpump - Google Search
- openpump-opensource-harden
- openpump.org (JPEG Image, 640x480)
- GitHub - gniezen/openpump

The GitHub page for "gniezen / openpump" is the active tab. The page header includes the repository name, a "Watch" button (6), a "Star" button (13), and a "Fork" button (2). Below the header are navigation links for "Code", "Issues (2)", "Pull requests (0)", "Projects (0)", and "Insights". A prominent "Join GitHub today" modal is displayed in the center of the page.

The modal features a background image of a workspace with code snippets and a circuit board. It contains the text "Join GitHub today" and "GitHub is home to over 20 million developers working together to host and review code, manage projects, and build software together." A blue "Sign up" button is at the bottom right of the modal.

Below the modal, the repository summary shows:

- 73 commits
- 1 branch
- 0 releases
- 1 contributor

Branch: master | New pull request | Find file | Clone or download

The commit history table lists the following entries:

Author	Commit Message	Date
gniezen	Added .stl files for printing	Mar 6, 2015
enclosure	Added how-to-use description	3 years ago
firmware	Changed direction/step pins for Pump Shield v0.1	3 years ago
mechanical	Added .stl files for printing	3 years ago
schematics	Version sent off to fab	3 years ago

<https://github.com/gniezen/openpump/releases>

Wevolver | Develop Better Hardware

Secure | https://www.wevolver.com/gerrit.niezen/openpump-an-open-source-hardware-syringe-pump/main/description

Apps New folder Other Bookmarks

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Gerrit Niezen / 2 members / Swansea Hack...

OPENPUMP - AN OPEN SOURCE HARDWARE SYRINGE PUMP

MODULES RESULT

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 SOFTWARE DESIGN

OPENPUMP 2 years ago 7 COMMENTS

Designed by Gerrit Niezen | Licensed under CERN OHL



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https://openpump.dozuki.com/c/Build_Instructions

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1 How-to Guide

Building the syringe pump

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Post 7 Days: 1

Post 30 Days: 7

All Time: 770

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POWERED BY DOZUKI - 2018 OPENPUMP

● ● ⓘ Knowable / Polymer

◀ ▶ C ⓘ www.knowable.org

App New folder Other Bookmarks



Three years ago we set out to create a platform that would bring Makers, Inventors and Hardware Professionals from all over the world together and allow them to join forces. Our vision was to build a global network of people who love building things together. And over the course of these years we came up with many promising ideas to make that happen, like Knowable, a tool to collaborate on hardware projects, and Polymer, a place to find the right people to work with.

As with every company, it was a bumpy but exciting road: We had a great team, discovered tons of interesting projects along the way and got to know so many amazing people here in Berlin and all around the world. Many thanks to all the people who have



SHOP

BLOG

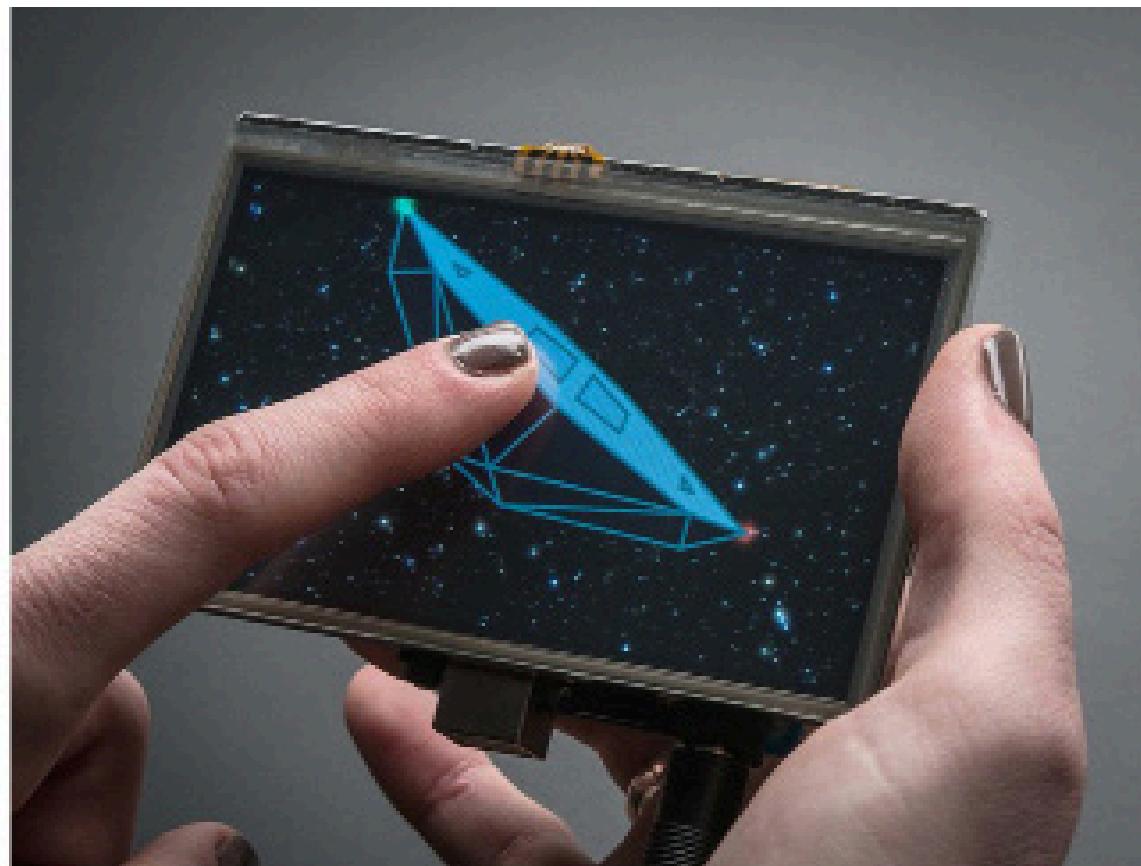
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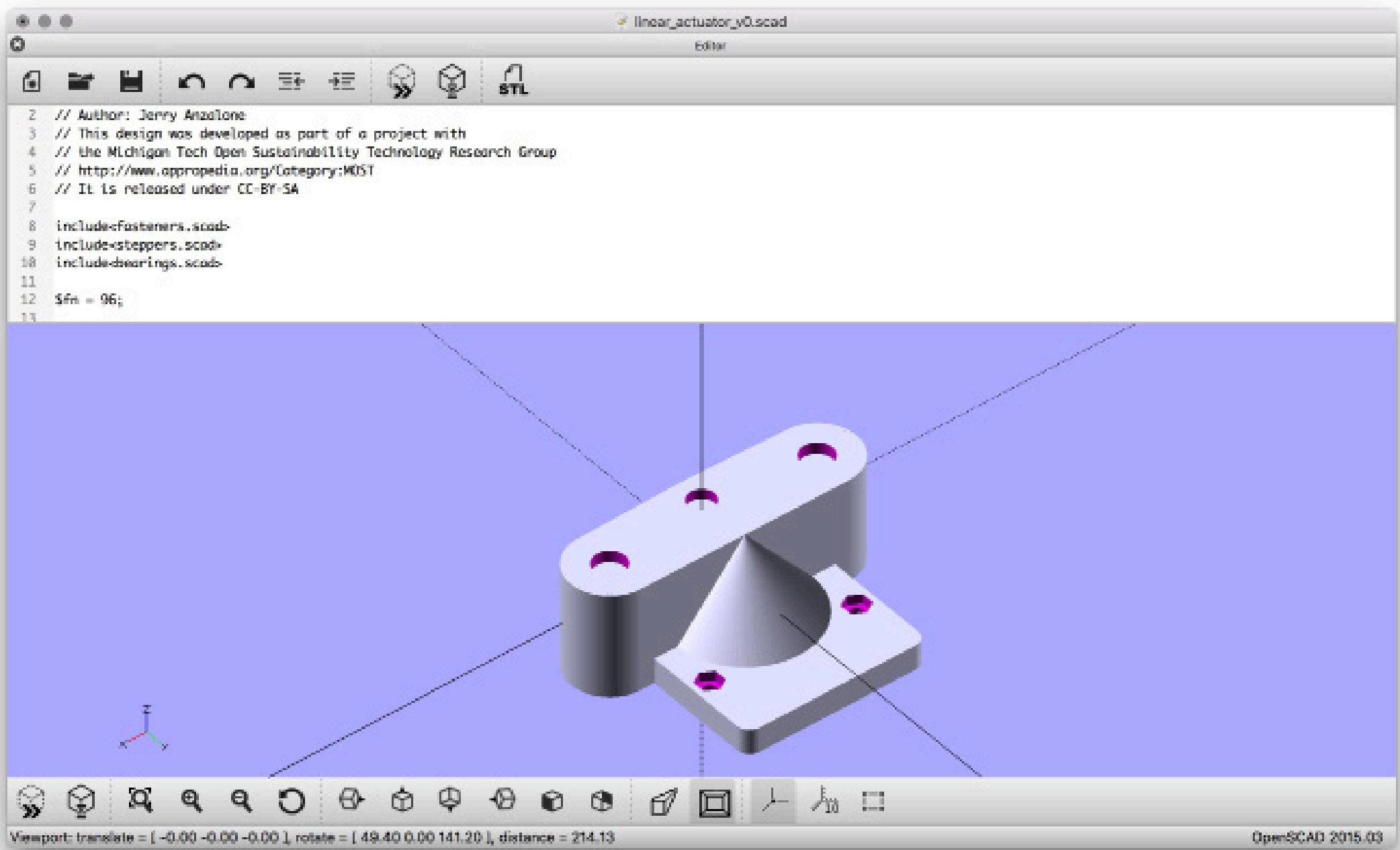
Gameduino 2 with 4.3" 480x272 Display and Touchscreen

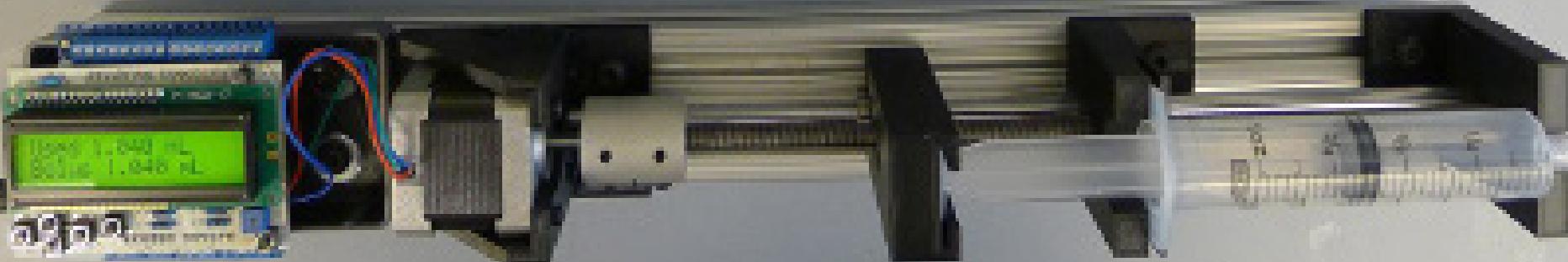
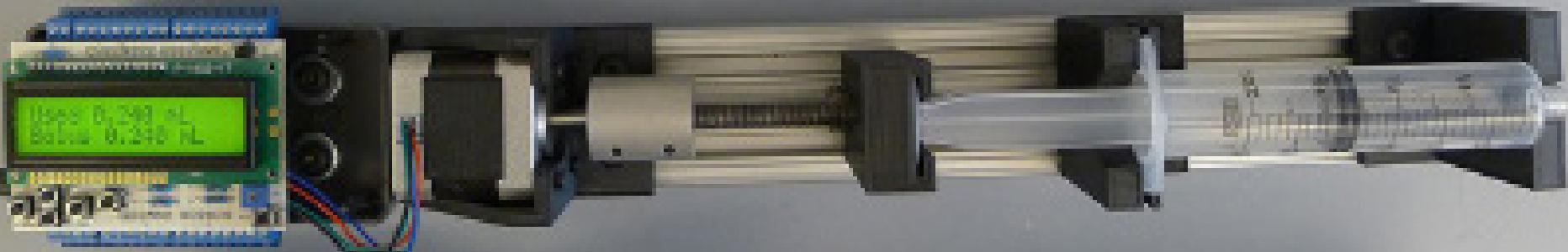
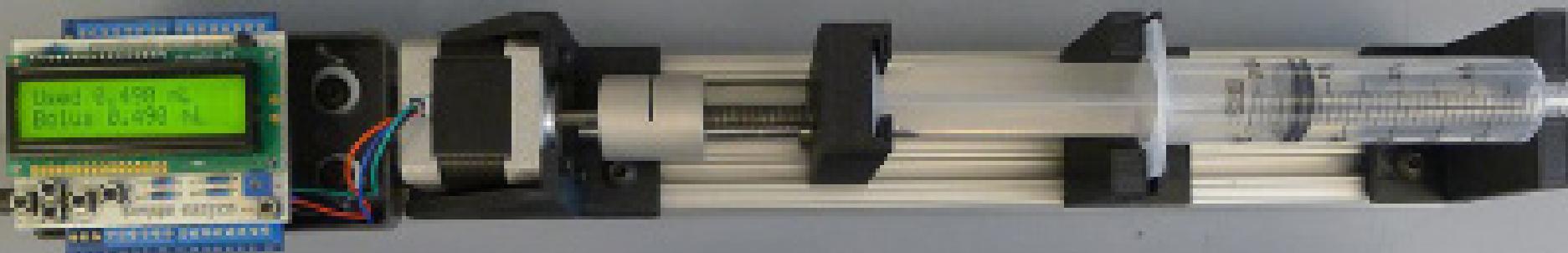
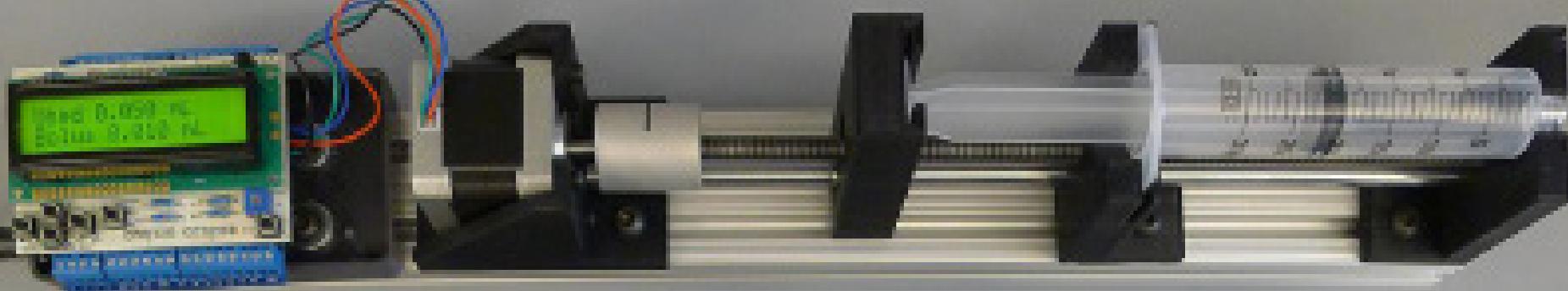
PRODUCT ID: 1654

\$69.95

DISCONTINUED

[DESCRIPTION](#)[TECHNICAL DETAILS](#)





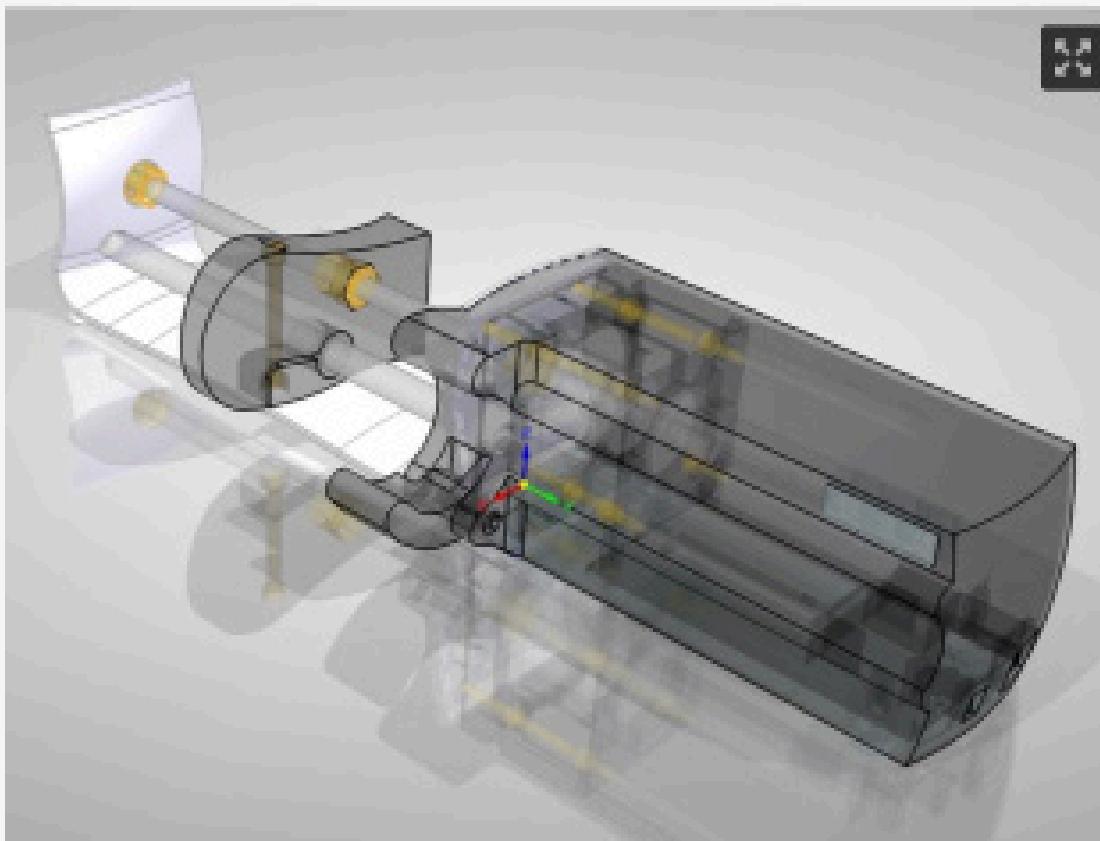
SyriGo - Open Hardware Progr. x

Secure <https://www.thingiverse.com/thing:1820146>

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SyriGo - Open Hardware Programmable Syringe Pump

by Ooram, published Oct 11, 2016



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