Shoot First, Ask Questions Later The Maker Response to COVID-19

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More applicably, this guy: UNITED STATES ▼ REVIEWS RESOURCE LIBRA Home > Security GIZMODO ₩ Shc About | 5 **SALTED HASH- TOP SECURITY NEWS** Fundamental security insight to hel LATEST REVIEWS SCIENCE 109 FIELD GUIDE EARTHER DESIGN By Steve Ragan, Senior Staff Writer, CSO | JUL 23, 2016 9:00 PM PDT minimize risk and protect your orga PRIVACY AND SECURITY You Can Now 3D-Print Your Own TSA Master Keys Hackers create Safe Skies TSA master key from scratch, release designs Hackers reverse engineer Safe Skies master key, publish designs engineering.com stories make:projects jobs resc Popul **BIM** Current Articles | Archives Hacking the TSA's Master Keys: 3D Printing Adds a Tao1 New Dimension to Privacy and Security Hun

What's Going on?



The US did not have a proper plan in place for a Pandemic

Mass production of PPE (or most anything) is a balance and can't shift rapidly

"Any port in a storm" leads to repurposing of rapid prototyping systems

Isn't 3D Printing Perfect, Futuristic Magic?



Isn't 3D Printing Perfect, Futuristic Magic?

Affected by environmental factors

Difficult to make durable goods

EXTREMELY SLOW

...and yet, WE'RE DOING IT!



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Tower of Babel

Social Media = 140,000 groups, all vying to be The One

Slacks Slacks Slacks Slacks Slacks Slacks Slacks

Endless Unanswered Google Forms

Hoarding of materials

Production of PPE which shouldn't be used

See the title of this talk

"From Chaos, Comes Order"

- Nietzsche

Prusa & 3DVerkistan issue strong designs that are fast to print.

NIH certifies designs for use, hosts 3D designs repo

Concise PDFs and "Infograms" achieve mass circulation

Non-nerds can help with low-tech makes

"Cloth" wearables are easy enough for beginners to make

Where are we Now?

Hackerspaces & Internet stars put huge # of printers to work

Retail outlets donate materials

Some manufacturers selling pro PPE at cost

Community continues to tweak 3D models and invent new

wearables

More Info / How can you Help?

#GetUsPPE and getusppe.org if you have or need PPE, or want to donate \$

Masks For Docs Slack: https://tinyurl.com/masksfordoctors

Join applicable channels, READ THE PINNED POSTS

https://3dprint.nih.gov/discover/

https://www.makemasks2020.org/mask-making-guide

Get on the horn.

Ask around your community.

FB / Reddit groups / Neighbor apps

Hackerspaces

You may be the one who has to jumpstart things.

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