

GHOST GUNS

BYOG: Build Your Own Gun

ghost gun* a definition

A firearm that is in part or wholly produced by someone using metal and plastic parts that does not include a serial number for tracking purposes.

PARTS IDENTIFICATION

1. Histories & Iterations

- A brief history of inventors, and companies that developed 3D printing leading to the modern ghost gun movement
- From Zip Guns to Ghost Guns the evolution of Home Made Firearms

2. Metal Plastic & Bits

- CAD files are the beginning of every ghost gun design, being the first element in their creation
- Readily available plastics & metals can be purchased almost anywhere
- The CAD file and materials are then brought together by 3D printers to produce the necessary parts for assembly

3. Motivations & Power Players

- Drawing inspiration from movements such as crypto-anarchism, decentralized groups and private companies motivated by anti-regulation and anti-authority ideologies are pushing the movement forward
- Against them lie local and national governments concerned with the possibility of gun control becoming completely obsolete
- We've identified several key players within the movement that have brought international attention to the subject

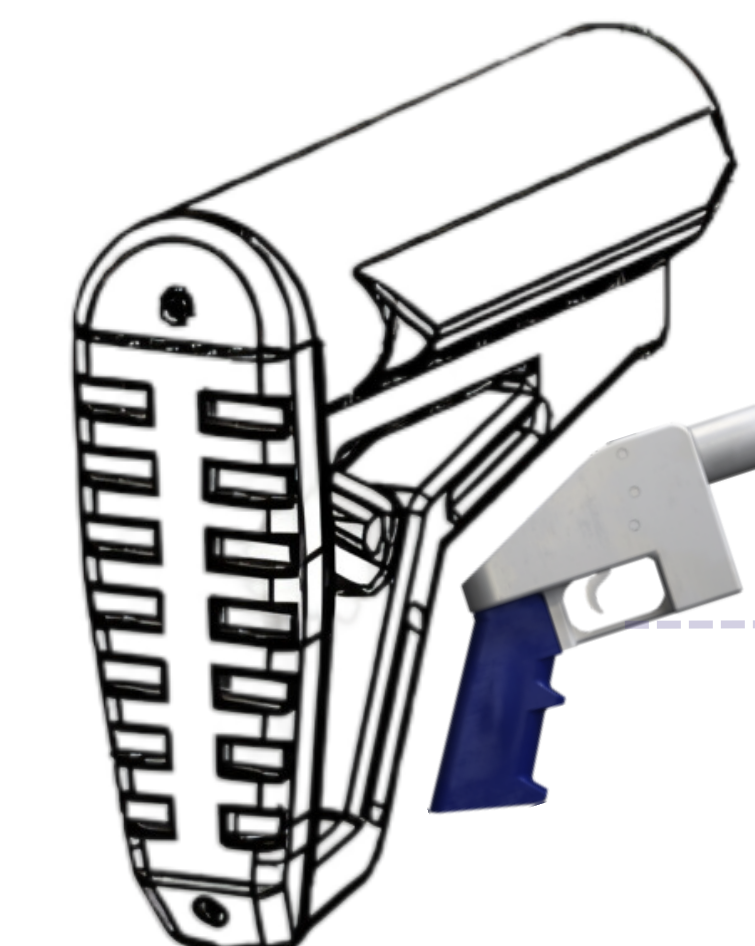
4. Infrastructure & Standards

- Moving in the undercurrents of everything that makes modern society function, ghost guns have become almost impossible to regulate. Stopping them means shutting down supply chains and the internet itself
- Firearm standards are generally applied by ghost gun designers, depending on 3 styles used. These are Fully Plastic, Hybrids, & Parts Completion Kits (detailed in section 1)
- CAD standards define the universal all ghost gun designers speak. Working in CAD is the same wherever you are in the world. Furthering the ease of collaboration

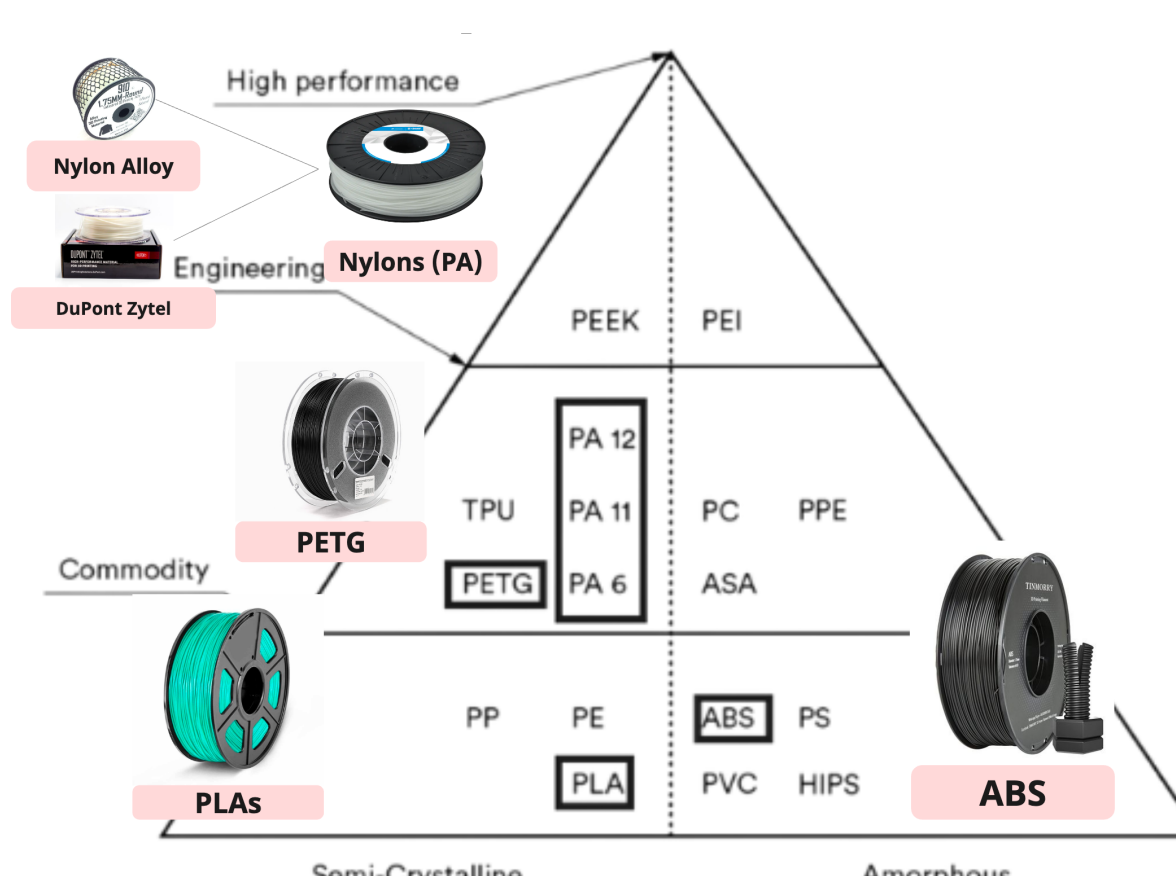
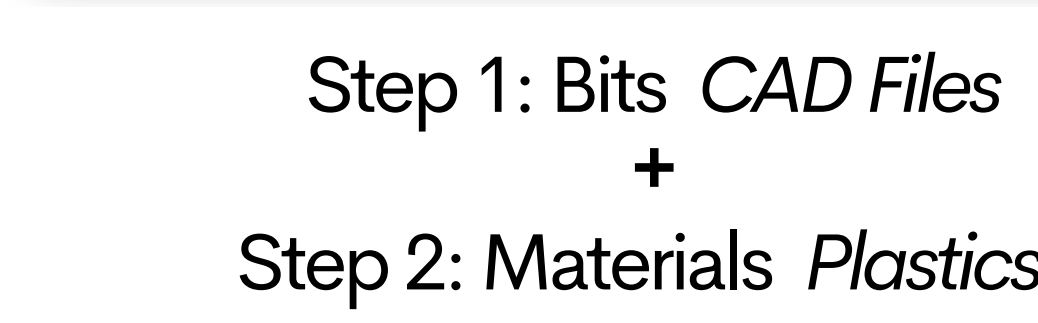
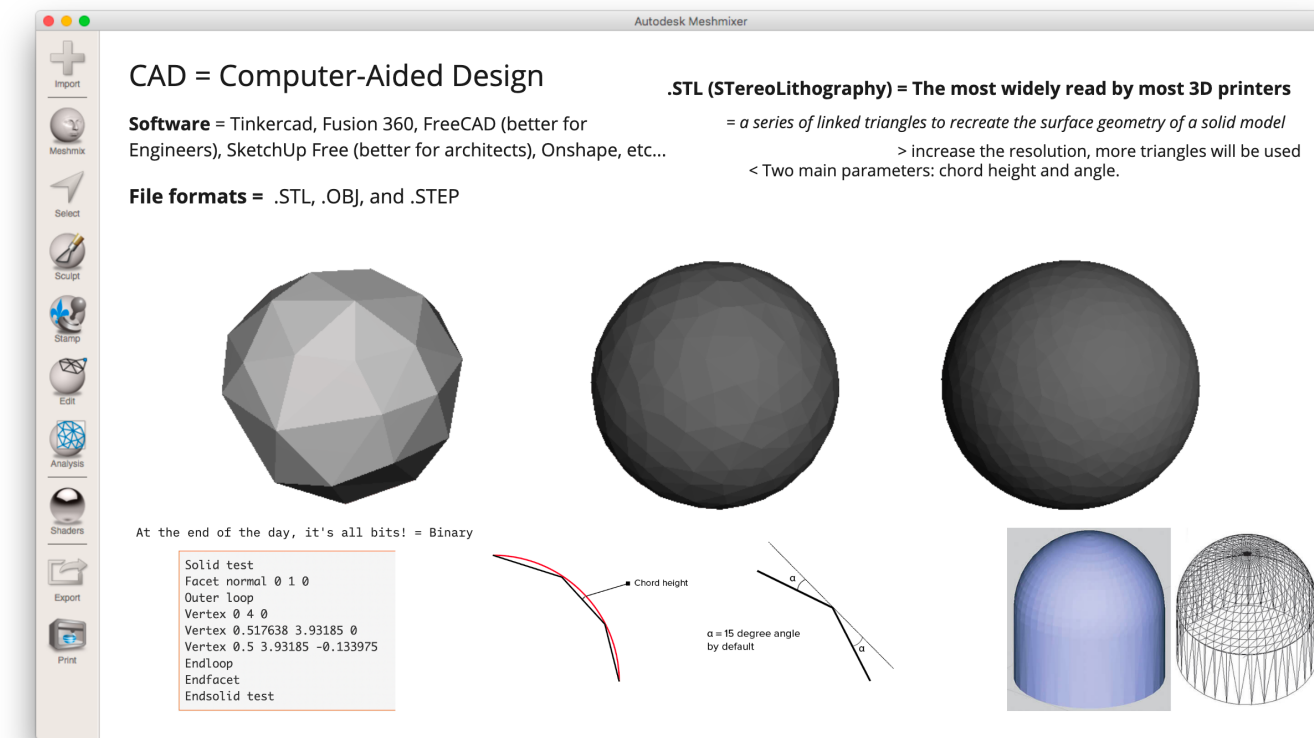
5. Users & Non-Users

- Non-Users include those unable to use firearms or building technologies, those who prefer traditionally produced firearms, and those fully opposed to the proliferation of ghost guns.
- Users are defined by those embracing the text. Primarily criminal organizations, freedom fighters, and even governments. However the key group are the "Super-Users" without their participation the ghost gun movement would not hold the notoriety it currently does.

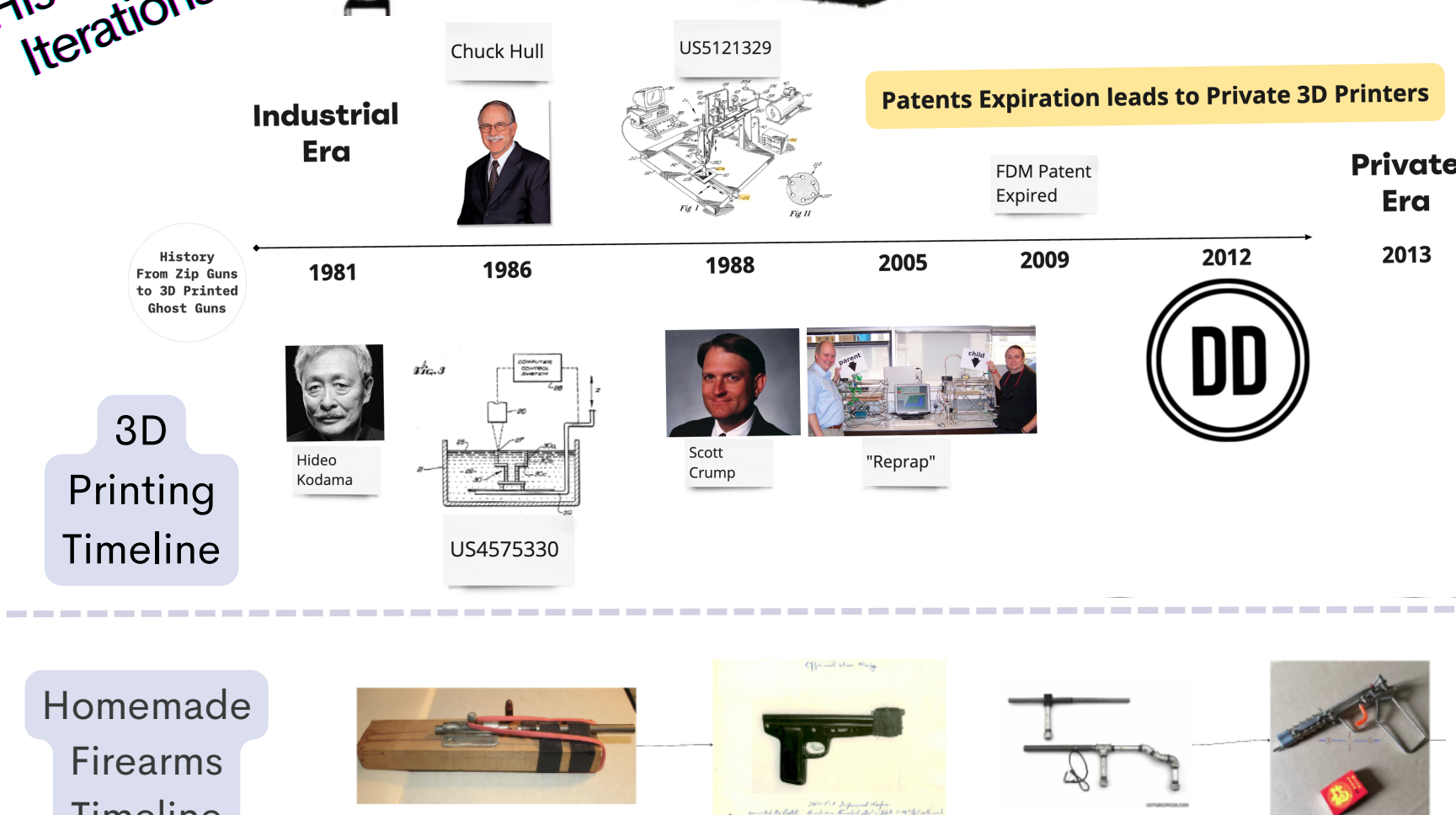
* The term 'Ghost Gun' was popularized by the media in the 2010s, and alternatively is referred to by users and the US Government by other names including: **Privately Made Firearm, Personally Made Firearms (PMFs), DIY Firearm, 3D Printed Gun, Eighty-Percenter, Homemade firearm, etc..**



The formula of how a 3D printed firearm is made



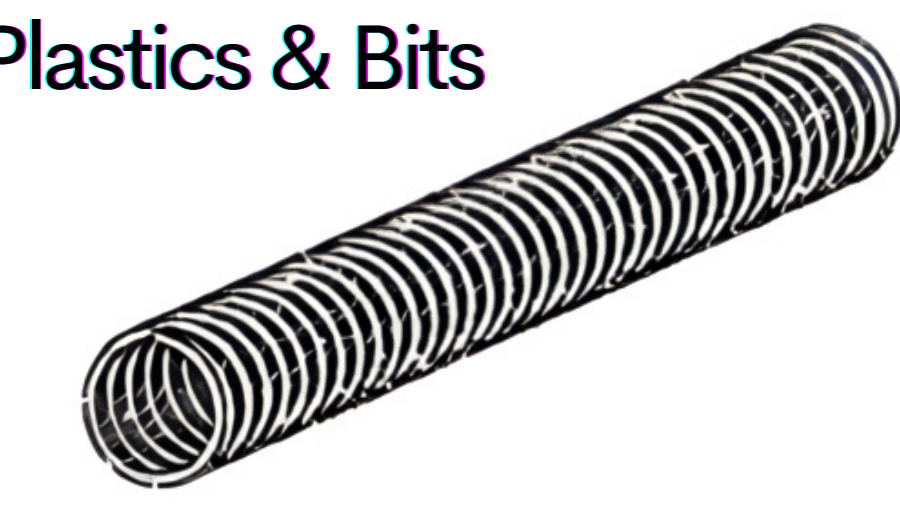
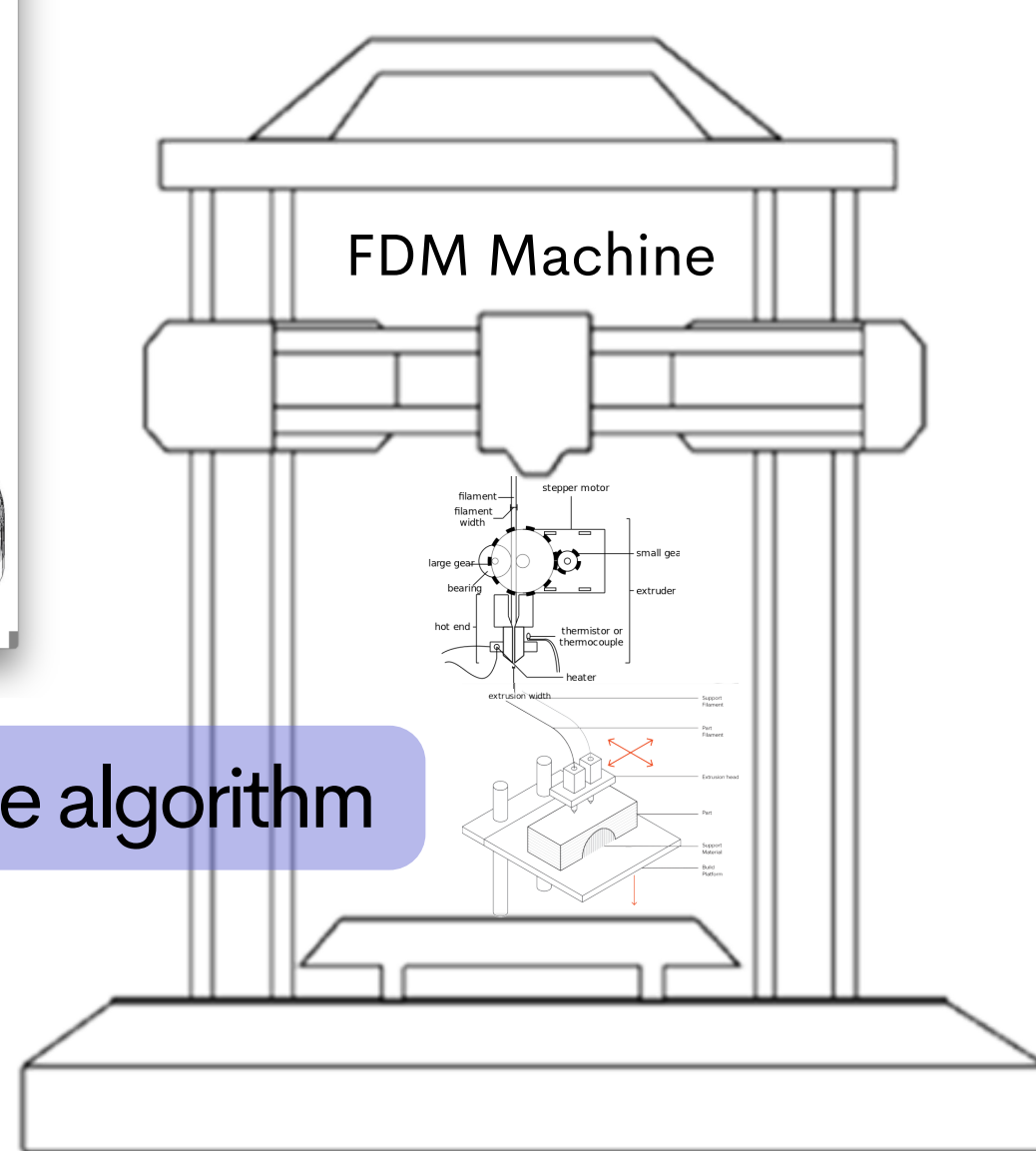
1. Histories & Iterations



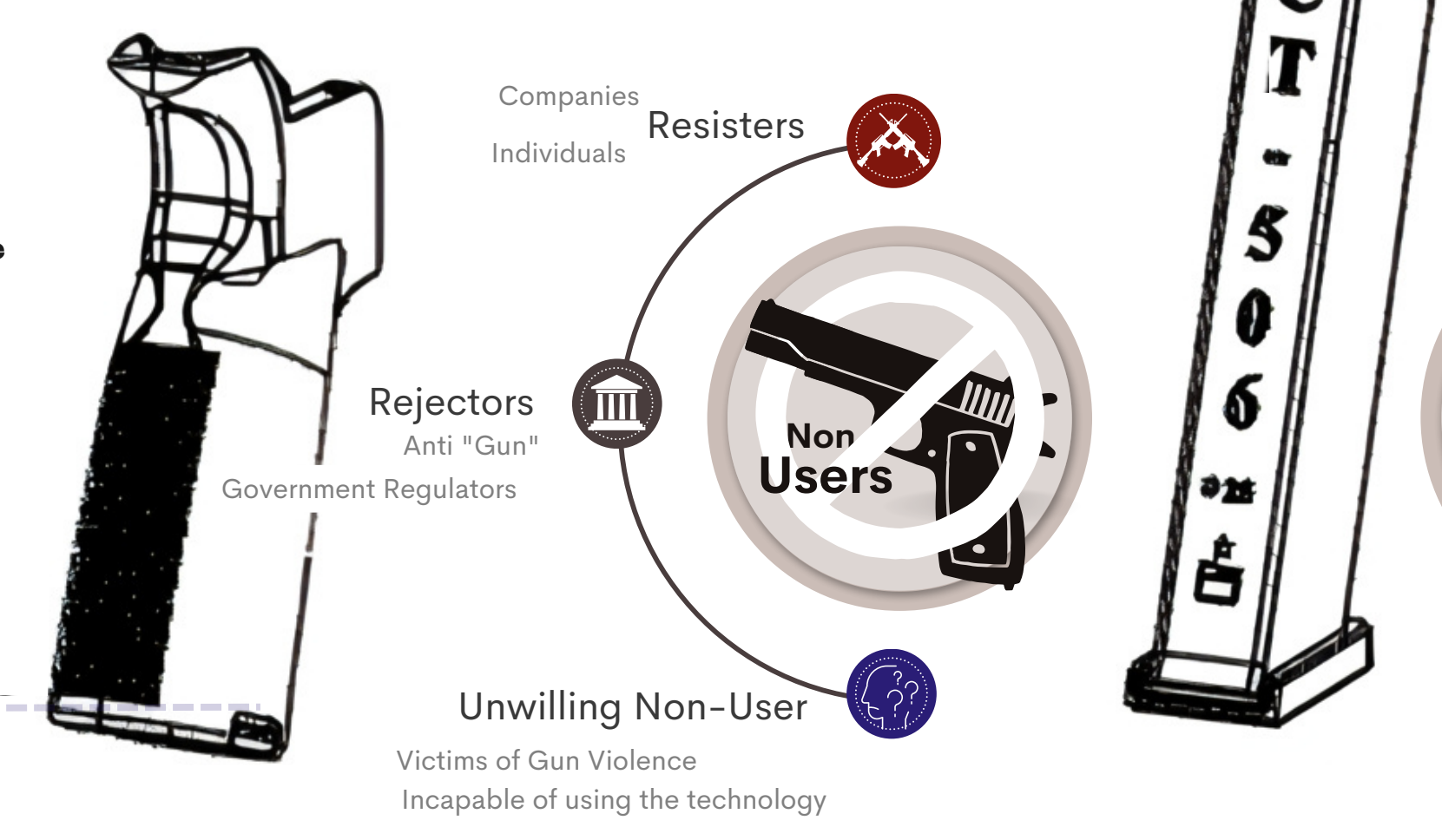
3D Printing Timeline

Homemade Firearms Timeline

2. Metals-Plastics & Bits



5. Users & Non Users



3. Motivations & Power Players

Pro Power Players

Founder: Self-Described gun rights activist and crypto anarchist Cody Wilson is credited with the creation of the first fully 3D printed firearm. He is seen as a leading figure in the movement and inspired many to take interest.

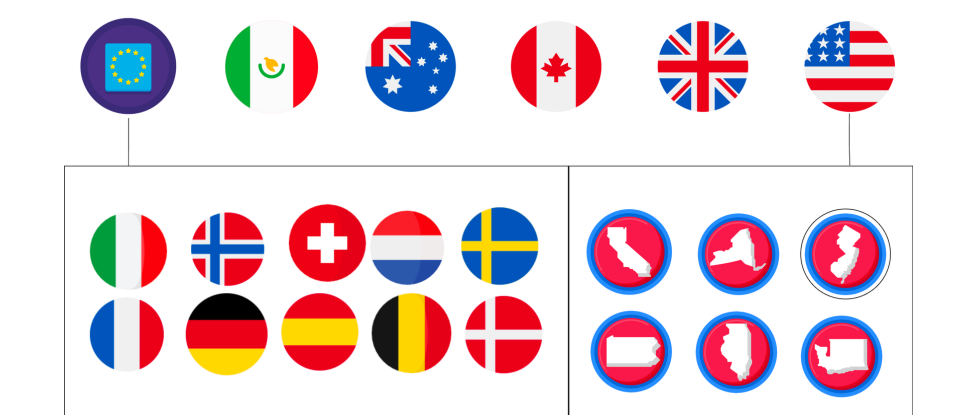
Leader: Jstark along with Ivan the Troll found Deterrence Dispensed, their network is founded with decentralization in mind. Members are anonymous. Profit is not an objective, only the further development of 3D guns.

Leader: Ivan T (or IvanTheTroll) along with Jstark founded Deterrence Dispensed, and co-wrote the Desktop Firearms handbook. Fun fact, Ivan is one of the designers of this CAD file being used in this poster!

Organizations pro ghost guns

DD (Deterrence Dispensed), +PEW (Pew Research Center), LEGIO

Against Countries /states against ghost guns



Power Players

Robert Cekada: Executive Assistant Director - Operations, ATF

"These are these are weapons that can be easily concealed and used in crimes, not that they're using crimes every day, but the most recent example, what are the firearms that the suspect used in Nashville was a weapon with an AR-15 Stabilizer brace."

Government agencies: Bureau of Alcohol Tobacco, Firearms and Explosives (ATF)

3D Printing Companies Gun Manufacturers

Pro Power Players

Ivan 3D Gun Community Leader

Primary Source Interview conducted on 4/1

Standard falls mainly into what is being built "Some designers who have more technical backgrounds will use FEA tools and/or some sort of mathematical cues, but for the most part that isn't necessary."

Infrastructure & Standards

Ghost Guns: No Serial Number

Firearm standards

Manufactured guns: Have a Serial number

4. Infrastructure

If ----- Goes Down, Ghost Guns still would not go down:

The supply chain: Why not? - World dependence on polymers - Companies making receivers can be replaced at home

The internet: Why not? - Kif guns - Flash drives - Make your own CAD files

CAD Standards

CAD Standards	Definitions
DXF	A universal file format for data exchange.
BVW	A proprietary binary file format used for storing 2D and 3D data.
STEP	An ISO standard exchange format and commonly used for 3D modeling and printing.
STL	A file format native to the stereolithography CAD software created by 3D Systems.



Explore more

- Extra information
- References
- Laws and Regulations

***CAD File used to create this gun blueprint seen in this poster was created by Deterrence Dispensed