

AB 2047 – Firearm Printing Prevention Act

Summary

AB 2047 provides an upstream solution to address gun violence by requiring that all three-dimensional printers sold in state have firearm blocking features.

Background

In October 2024, the California Department of Justice issued a report identifying ways in which California was impacted by the ghost gun crisis and warning that the ghost gun market "is increasingly shifting toward consumer-level 3-D printers."[1] In January 2025, the Bureau of Alcohol, Firearms, Tobacco, and Explosives issued a report stating that privately made firearms "made through the use of 3D-printers have been increasingly encountered" by law enforcement in crime gun investigations.

A report by Everytown for Gun Safety in 2025, analyzed data from twenty cities which collected data tracking recovery of 3D-printed guns over five consecutive years. Among those cities, 3D-printed gun recoveries increased 1,000 percent between 2020 to 2024.[2]

The Problem

Firearm design files are proliferating on the internet. A 2023 study documented more than 1,000 unique 3D firearm design files in 2,100 places online, including mainstream platforms.[3] The research revealed a dramatic acceleration in design sharing beginning in 2019, with a massive surge in 2021 and 2022.[4]

While previous legislation has strengthened regulations on and protections against 3D printed guns and machinegun conversion devices (AB 2156 (Wicks) , AB 1089 (Gipson), AB 1263 (Gipson), AB 1127 (Gabriel)), there are currently no requirements for printers themselves to include safety features.

What this bill does

AB 2047 requires that all three-dimensional printers sold in California are equipped with firearm blocking features to prohibit the printing of dangerous gun parts. Specifically, it requires that they have a firearm detection algorithm and software controls that identifies files that would produce guns and illegal gun parts and block such printing requests.

Support

Everytown (Sponsor)
Momens Demand Action
Students Demand Action

Contact

Maren Bick-Maurischat | Legislative Aide
(916)319-2016
Maren.Bick-Maurischat@asm.ca.gov

[1] https://oag.ca.gov/system/files/media/ogvp-report-ghost-guns.pdf
[2] https://everytownresearch.org/report/city-level-data-crime-gun-recoveries/
[3] https://www.sciencedirect.com/science/article/pii/S2589871X23001316?via%3Dihub
[4] https://www.sciencedirect.com/science/article/pii/S2589871X23001316?via%3Dihub