

# Bring Products to Market Faster with MakerBot

## How Canary Accelerates Iterative Designs



### About Canary

Founded in 2013, Canary is a New York City startup that released the first ever all-in-one security system. It combines smart sensors and Wi-Fi connectivity to provide customers with real-time access to a video feed and status updates via the Canary mobile app.

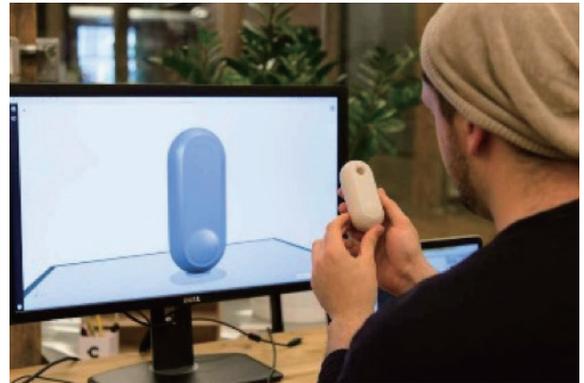
In order to stay competitive, Canary needed a comprehensive rapid prototyping solution that could accelerate iteration and address the wider needs of its engineers and designers. By using MakerBot solutions, Canary can accelerate iteration, test ideas, quickly make design decisions, and bring better products to market faster.



### Accelerating Iterative Design and Product Testing

“At Canary, we pride ourselves on working quickly and focusing on design so we spend a lot of time prototyping,” says CEO and Co-Founder of Canary, Adam Sager. The MakerBot solution helped streamline iterative development by enabling high-quality concept modeling, and functional testing.

Canary brought on two MakerBot Replicator+, one MakerBot Replicator Mini+, and the MakerBot Tough PLA Filament.



The MakerBot printers are dispersed on desks near engineers and designers. This close proximity accelerates iteration, allows the team to more easily make decisions and collaborate, develop concepts, exchange ideas, conduct fit studies with printed parts, and have quick meetings to discuss whether an idea will work or not.

“Days matter, minutes matter, and having the Replicator+ behind my desk just saved that much more time. I could quickly model something, send it to the printer, keep working on the next version, and as soon as the other one is done, pop it off, and send the next version to the printer. So iteration is just that quick”, said James Krause, Director of Industrial Design at Canary.



## The Difference of MakerBot's Connected Solutions

By combining the Replicator+, Replicator Mini+, Tough PLA with the MakerBot Print software and MakerBot Mobile app, Canary can accelerate iteration, test ideas, better test designs for reliability, fit, function, quickly make design decisions, and bring better products to market faster.

Both the MakerBot Print software and MakerBot Mobile app make 3D printing easy-to-integrate and streamline the preparation process. MakerBot Print saves designers' and engineers' time by allowing them to import Native CAD files and assemblies for print preparation. It also simplifies iteration by automatically arranging any imported files on one or more build plates. As the Replicator+ and Replicator Mini+ are Cloud-enabled, anyone at Canary can also remotely control or monitor all printers from outside the office via MakerBot Mobile.



"Technology is moving very fast and it is very important for us to get our ideas out there quickly to stay competitive. MakerBot helps us get to a better solution faster," Krause said.

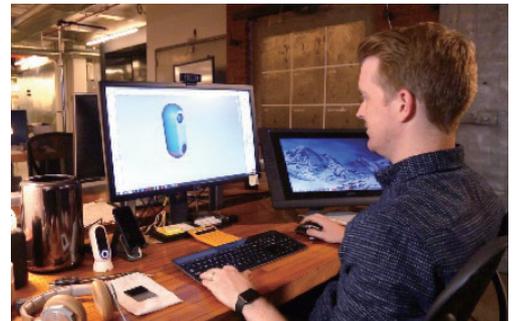
## Advanced Testing with MakerBot Tough PLA

For more specific print needs, Canary relied on the Tough PLA, which combines the best features of ABS—its tensile, impact, and flexural strength—with the print reliability of PLA. Designers have used Tough PLA to prototype designs that may need to flex and withstand repeated use, or parts that might need to be drilled, tapped, or scored. In addition, Canary's engineers saved time and money by using the Replicator+ and Tough PLA to create custom fixtures in-house.

## Redefining What's Possible in Home Security

With MakerBot's connected solutions, Canary can bring products to market faster and more cost effectively than sharing expensive and industrial 3D printers or any one desktop 3D printer. Canary can continue to redefine what's possible in the home security industry, expand its business, and set itself apart as a leader.

"We've been using the Replicator+ for a few months now, and we've been blown away at the quality improvements and speed improvements", Says Krause.



### About MakerBot

MakerBot, a subsidiary of Stratasys Ltd. (Nasdaq: SSYS), believes there is an innovator in everyone, and sets the standard in reliability and ease of use. As a global leader in the desktop 3D printing industry, MakerBot offers a set of solutions that illuminate and guide every stage of the 3D printing process, making it easy to go from idea to end result. Founded in 2009, MakerBot has the largest installed base in the industry with more than 100,000 MakerBot Desktop 3D Printers sold to date. MakerBot also runs Thingiverse, the largest 3D printing community in the world. The company's industry-leading customers include designers, educators, engineers, and consumers. To learn more about MakerBot, visit [makerbot.com](http://makerbot.com).



**MORE INFORMATION**  
[www.makerbot3d.com.au](http://www.makerbot3d.com.au)



**EXPLORE**  
[www.thingiverse.com](http://www.thingiverse.com)



**SPEAK TO AN EXPERT**  
1300 118 308