



ems
Engineering & Mfg Services, Inc.

Success Spotlight

EMS's Helps with your Defense

With over 40 years of Martial Arts training and over 20 years' experience in law enforcement, Mike Griffin is well versed when it comes to self-defense. He has been training individuals on how to respond to unknown attacks by perpetrators for many years. After an unfortunate car accident in 2007 and months of upcoming rehabilitation, Mike quickly realized the amount of disadvantages that people in his situation face if they were attacked by a criminal. Recognizing the severity and the reality that people may endure encouraged Mike to evolve pepper spray into more of a tool that would help fend off criminals, but at the same time collect important information on the wrongdoer to help identify them and bring them to justice.

The Problem

Mike had the whole concept of how he wanted the product to work and even look like, so he created some homemade prototypes to evaluate. Unfortunately since the prototypes were created out of clay, he wasn't able to do any function testing to evaluate actual results and its effectiveness. He needed someone that could take his prototype and transform it into a CAD model suitable for manufacturing. But before it went to manufacturing he wanted to be able to functionally test the designed model to make sure he didn't need to make any other necessary changes.

The Solution

Mike contacted EMS and consulted with our design team. Using his clay model, EMS created a 3D CAD design in two days and after a few minor revisions were done, a fully functional rapid prototype was created on of EMS's 3D Printers. This rapid prototype allowed Mike to fully test his patented DNA Collector design.

Conclusion

Mike Griffin has since taken his design through the manufacturing stages and now the Fury PepperStrike is available and being distributed. You can purchase one at www.JoyEnterprises.com.

Mike didn't stop with that one product; he has been working with EMS on additional self-defense products. He recently just released another product called the "Griffin Grip" which works as a pressure point defense tool and it also has the clever DNA collector. Mike also has some other great products that EMS is helping bring to market.

EMS was able to quickly and effectively convert Mike's ideas into usable prototypes using 3D CAD, 3D scanning, and rapid prototyping technologies all on time and at budget.

For more information visit www.ems-usa.com



3D CAD Models produced in SolidWorks.



Rapid Prototypes of customers designed products



Manufactured Products