

FAST TURNAROUND TIME OF ANY QUANTITY

How metal 3D printing tackles legacy parts

Quick Summary: Charter Arms specializes in high-quality revolvers. They wanted to reintroduce a front sight that had been out of production, but unfortunately they no longer had the engineering drawings. Demand for the front sight was unknown and Charter Arms was searching for a high quality, cost effective solution that offered flexibility on minimum order quantities.

CUSTOMER

Charter Arms

INDUSTRY

Firearms & Defense

COMPONENT

Revolver Front Sight



CHALLENGE

Given demand uncertainty, Charter Arms could not justify the high tooling costs of metal injection molding (MIM). The challenge was find a mfg. solution to bring this legacy part back into production. The company did not have engineering drawings or a CAD model, only a physical part from current inventory.

SOLUTION

3DEO reverse engineered the physical part into a CAD model to print the part. 3DEO printed first articles and began full production in less than four weeks, providing the customer with a solution before their inventory depleted.

3DEO's fast turnaround and scalable production was the ideal solution.