



DFM AT DFF: ON TARGET PRECISION

How our Design for Manufacturing Services Benefit a Customer in the Defense Industry



PROBLEM:

A global aerospace and defense company's jet needed to be outfitted with 8-foot-long munition magazines, and a custom solution was required.

SOLUTION:

3D printed magazines from DFF for concept approval.

RESULTS:

A 6-month project yielded a beta product currently in testing.

The catch? A sizeable CMM was also required—and needed as part of the overall project to ensure the part was being made to spec. After significant design engineering, research and development, DFF used their 3D printing technology to create a part to help conceptualize and facilitate roundtable discussions during the development phase. Two sets of prototype parts were then manufactured and sent to the customer for testing. With such positive initial feedback and results, DFF was awarded a beta order of seven magazine sets to send into the field for more comprehensive live testing. Members of both teams are optimistic that the product will go on to production with little-to-no revisions required.

If your next project requires precision, we look forward to hearing from you and helping you to get your goals on target.

In the defense industry, there is no room for error. When a global defense company needed to design two (left & right) 8-foot-long munition magazines to outfit a newly designed industry-leading weapon to be used on a fighter jet, they knew they could turn to DFF for the precision, knowledge and manufacturing equipment required to accomplish this goliath project.

ABOUT DFF

Specializing in medium to high production of precision machined components and electro-mechanical assembly products, DFF works with customers to simplify designs, make products easier to produce and maximize the reliability and quality of the end product. Located on 23 acres in a regional industrial park at the crossroads of Western New England (Interstates 90 and 91), the DFF facility, which began in a 2,000 sq. ft. building, has grown to three buildings totaling 300,000 sq. ft. To learn more about DFF, visit dffcorp.com.