

A leading stamper - and their customer - weren't satisfied with the current product plating. So they turned to GMF for a better approach.

Superior expertise translates into outstanding results

General Metal Finishing was recently approached by a stamping company seeking a solution to recurring plating problems.

The stamper was having difficulty with a fuel filter cover - a large, deep-drawn cold rolled steel shell. This was a high-volume product the stamper supplied to many market-leading OEMs. Unfortunately, the plating results from their current vendor were less than satisfactory, and the fuel filter cover wasn't meeting the strict form and cosmetic standards of the end user.

The problems the customer observed included damage, corrosion and staining. These were a result of the batch or bulk plating process the other supplier was using. Part-on-part banging during tumbling and centrifugal spin dry was also dinging the flange of the shell.

In addition, the size and depth of the part rendered thorough and complete rinsing after electroless nickel plate nearly impossible.

The General Metal Finishing team recommended an alternative plating method that would better satisfy the end customer needs.

GMF suggested static or rack plating, orienting the parts on a dedicated fixture at a 90 degree angle to facilitate solution drainage and compressed air drying. GMF developed a novel fixture modification to accommodate this unique process.

General Metal Finishing's plating expertise translated into outstanding results. According to the stamping company, this was the highest plating quality ever achieved for the fuel filter cover. And, importantly, their customer agreed.