

Mechanical finishing for uniform anodized finishes

We produce a 4" size aluminum machined part that requires a good visual uniformed anodized finish. Our machining lines are visible after anodizing and the anodize is not uniform. What can we do to solve this ?

A combination of mass finishing and blasting is the way to solve these problems. The vibratory process will smooth your machining lines and the bead blasting will cover what imperfections are left, as well as, producing a surface that will give you a uniformed anodize finish.

Step 1. Run the part in a vibratory system with a medium sized super fast cut ceramic media. The refinement process will remove most of your cutting lines. The refinement process take approx. 2 hrs.

Step 2. Blast the part in a medium heavy (# 9 or #10) glass bead at 70psi.

We also recommend this process with stainless medical parts for a super sheen blast finish. This finish is achieved with a very fine #13 glass bead. The very fine beads will not hide much imperfections, so prior vibratory finishing is necessary to prepare the surface for blasting.