



F-5 Horn Stabilizer

Repair & Refurbishment



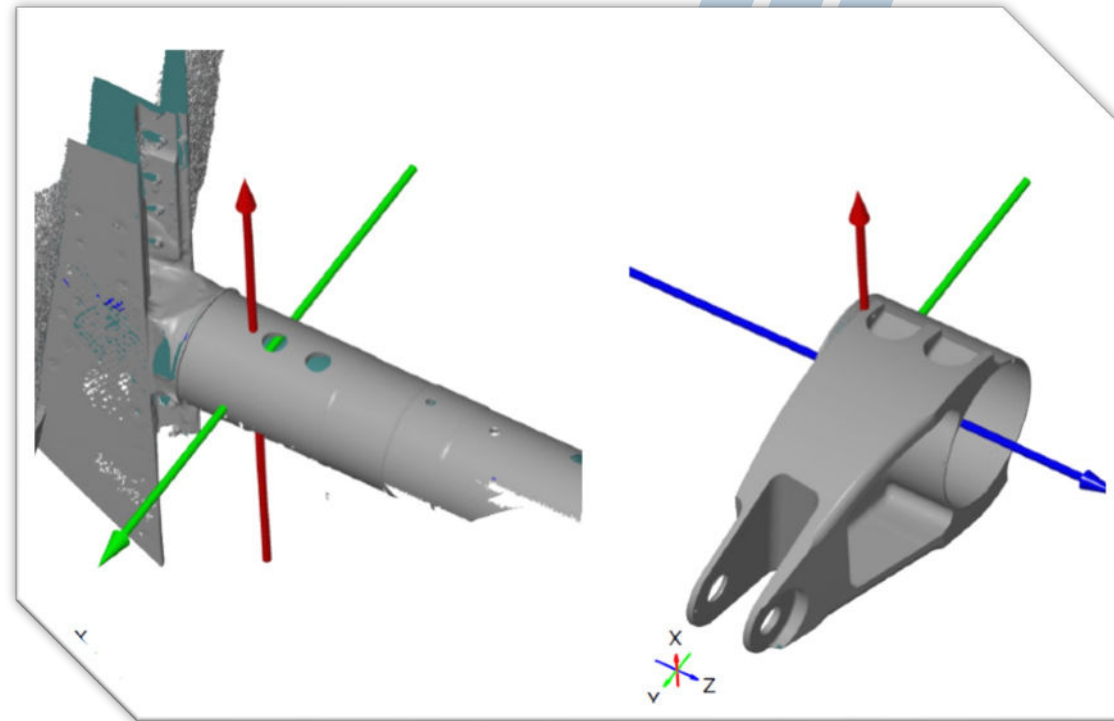
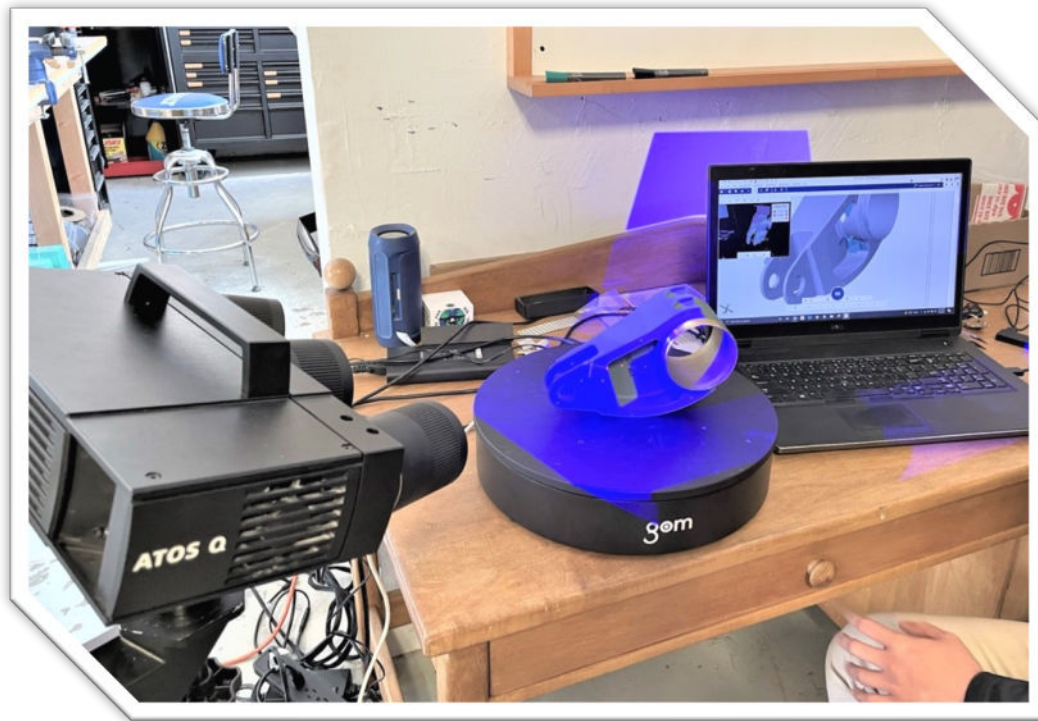
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COC Aerospace Engineering Project

 Match Drill and Align New Horn to Stabilizer Shaft

Engineering models, 3D Scan of Horn

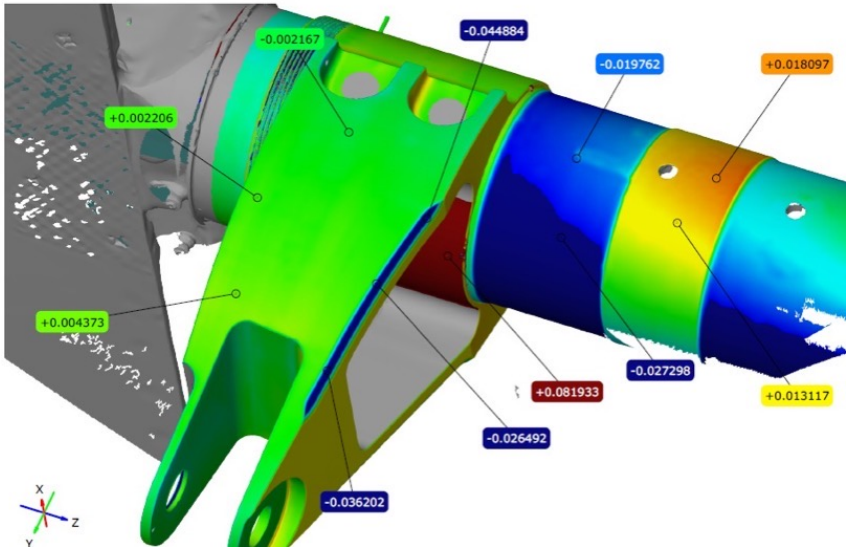


Match Drill Shaft to Horn

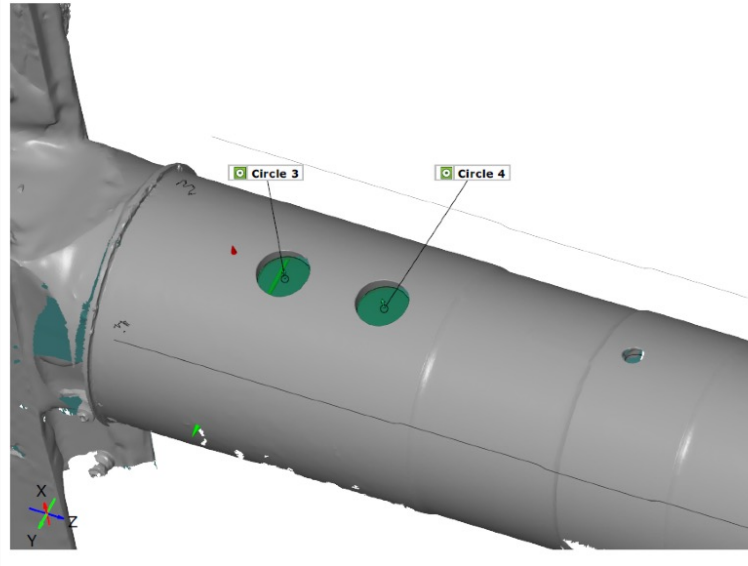


Location of Holes to Match Drill Shaft to Horn. Project Holes in Shaft up through Horn.

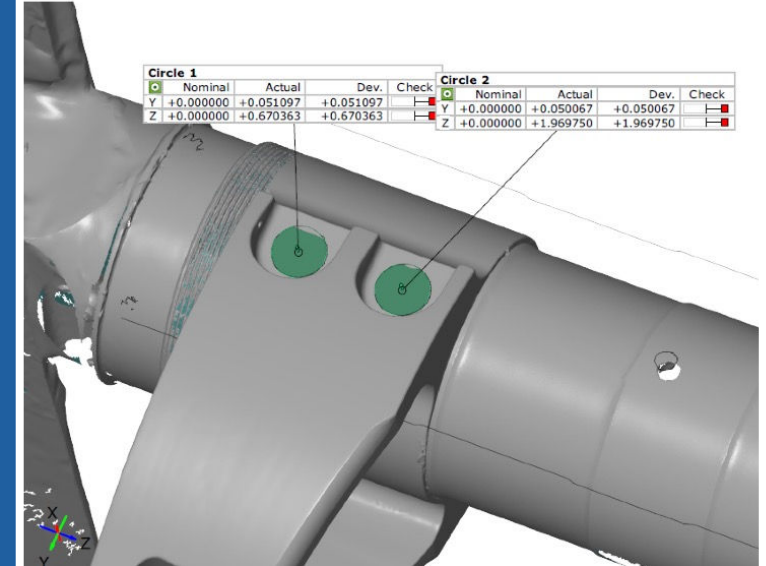
Surface comparison on CAD - Color Deviation



Circles created on a silhouette of the mesh data to find the center of actual holes.

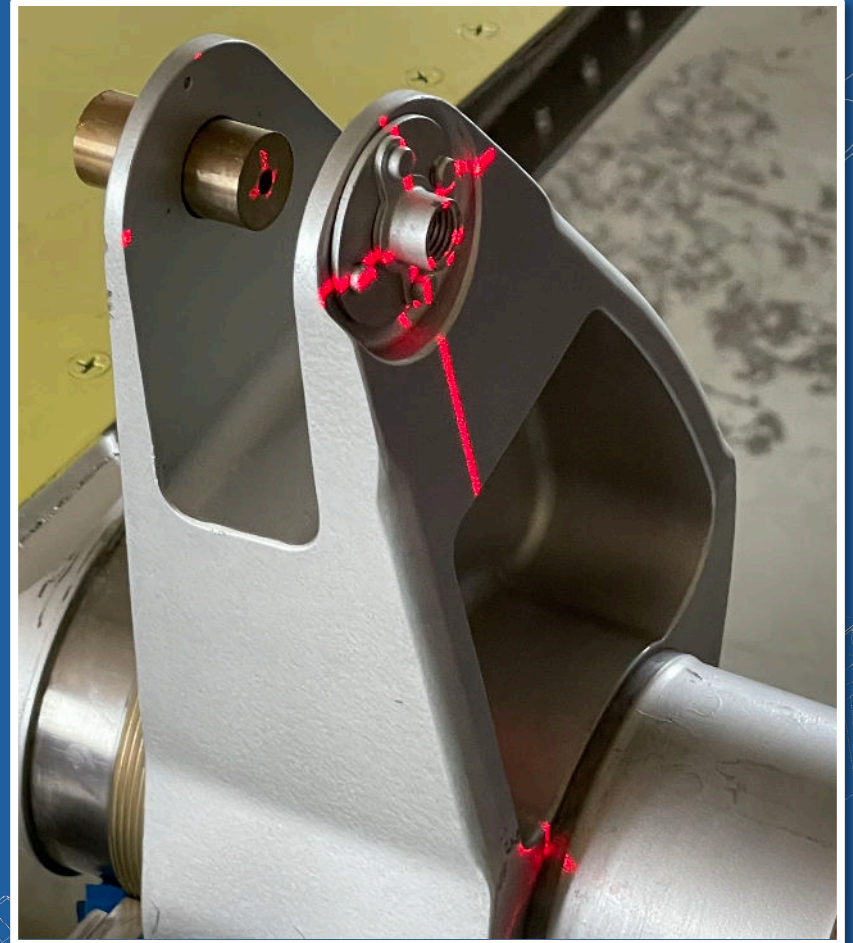


Projected silhouette up to the horn in order to create a reverse projection points for drilli

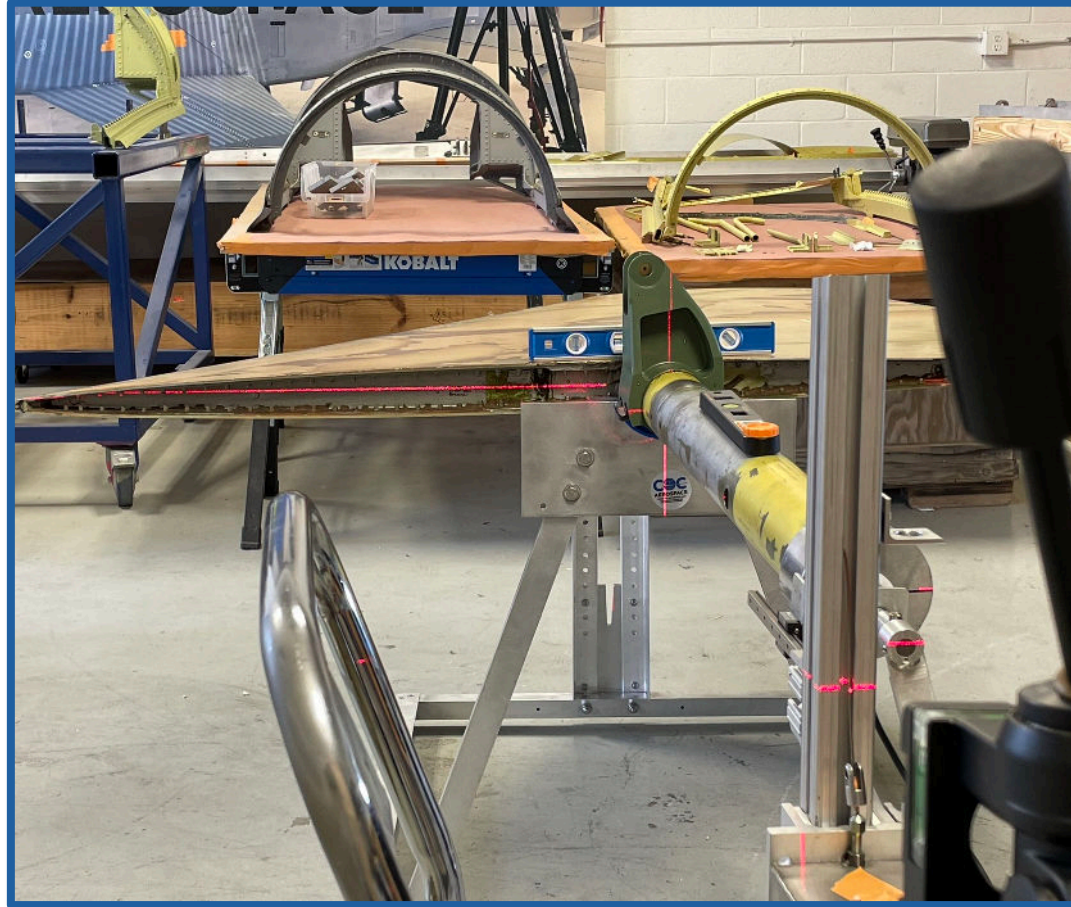


Drill & Taper

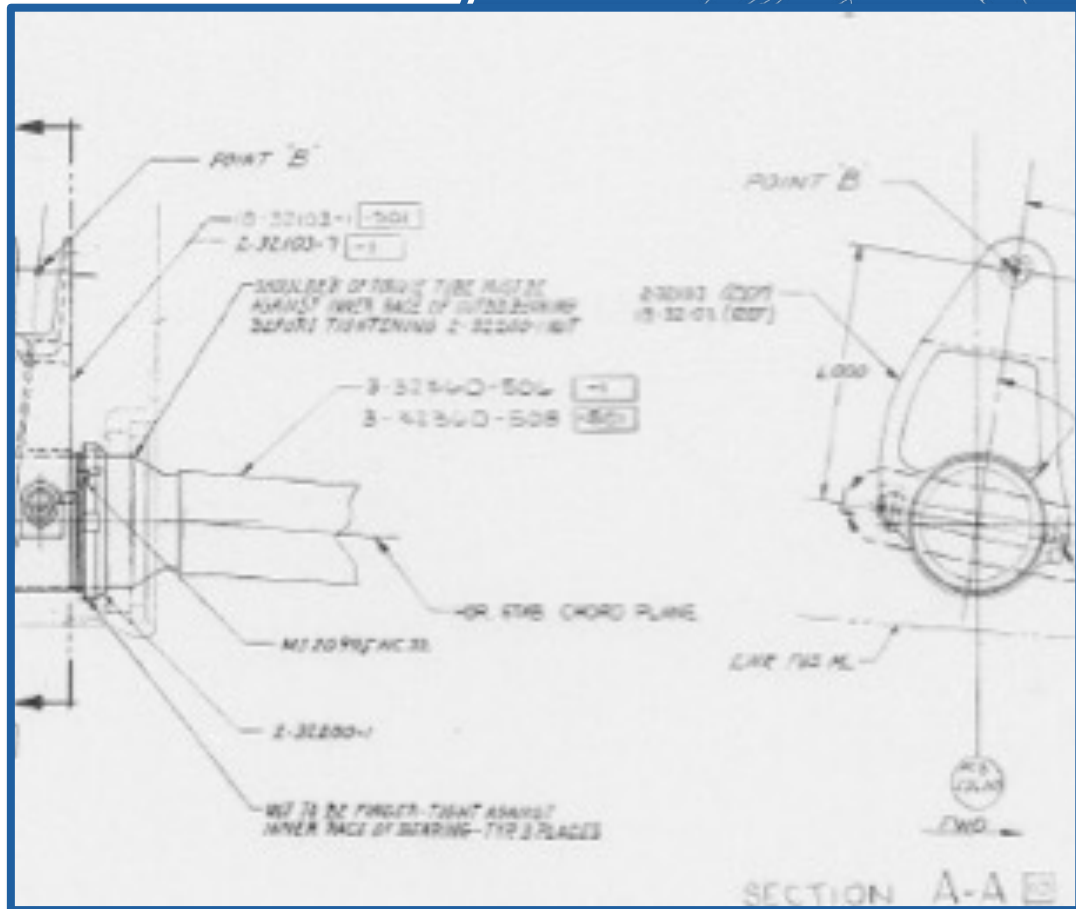
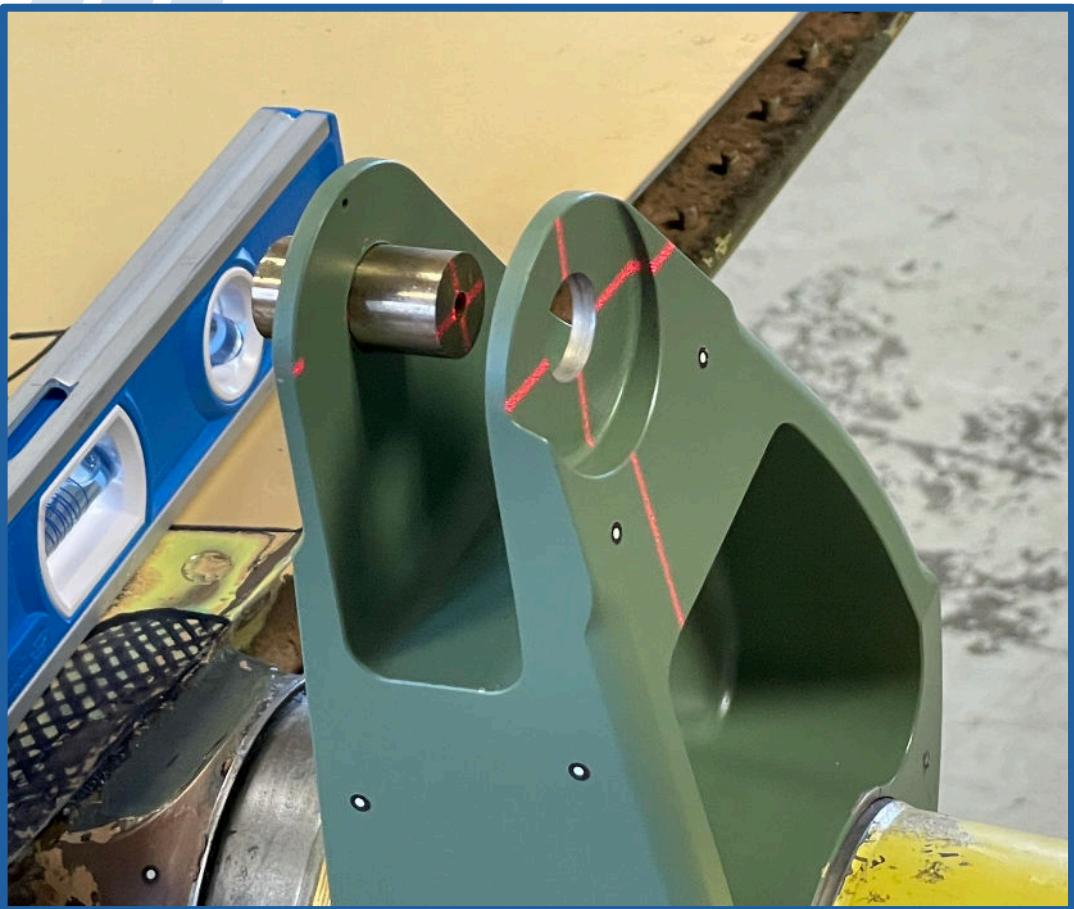
-  Drill Test Piece.
-  Taper Ream Holes.
-  Check Fit Tapered Pins.
-  Drill and Taper Ream Horn, Attach to Shaft.



Locate Horizontal Plane to Stabilizer



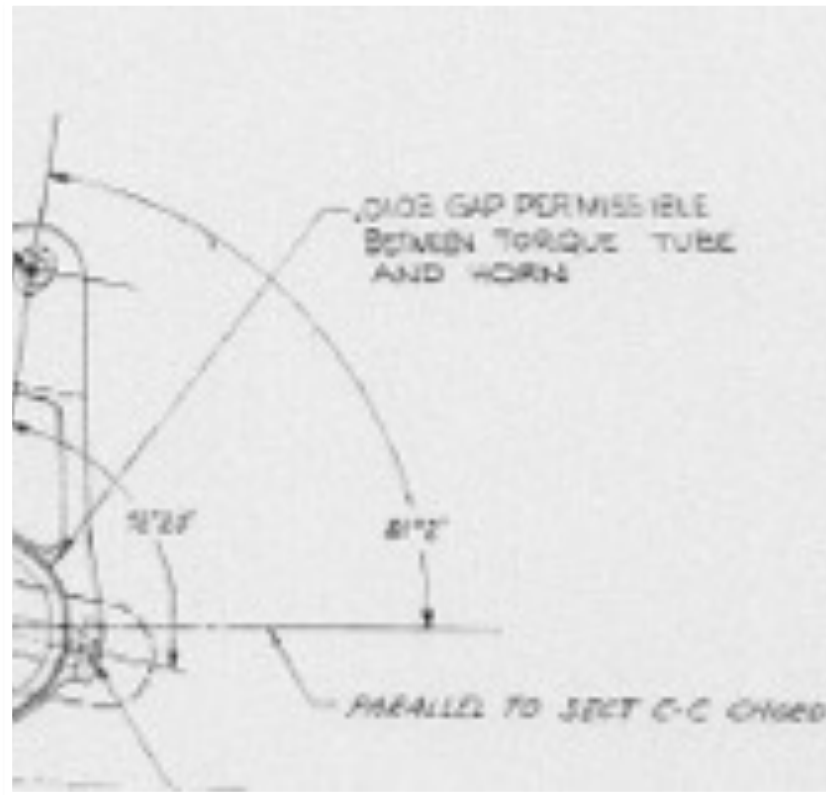
Locate Point 'B'. Center of Horn, measure rotation



Final Test



Rotary Encoder shows 81-degree rotation. Horn installed at correct location.





 **The COC F-5 Team - www.coc-aerospace.com** 

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CUSTOMER SERVICE - OVER 50 YEARSSUPPORTING THE SAME CUSTOMERS

TRUST - ABOVE ALL, WE ALWAYS DO THE RIGHT THING



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