Aerosport reduces number of parts by 3D printing with HP Multi Jet Fusion technology

RUDDER TRIM ASSEMBLY

Data courtesy of Aerosport Modeling & Desigr

- Aerosport Modeling & Design produces high-quality prototypes, appearance models, working models, and machined parts for the automotive, medical, electronic, military, aviation, and consumer product industries.
- Aerosport redesigned a feature of their instrument panel—the rudder trim system—to decrease assembly time and reduce the number of components.
- This redesign was made possible with HP Multi Jet Fusion (MJF) technology, which allowed them to reduce the number of parts from 26 to four.

PARTS REDUCTION

Traditional manufacturing required the assembly of 26 different parts, but HP MJF technology requires only four parts for assembly.

DECREASED PRODUCTION TIME

With HP MJF, Aerosport can 3D print on demand without the need to machine long-run productions of each part.

MATERIAL

HP 3D HR PA 12