

AUTOMOTIVE FRONT BUMPER & DASHBOARD

MOBILITY AND TRANSPORTATION | Automotive

Application type:

PROTOTYPE | Concept and design

Material

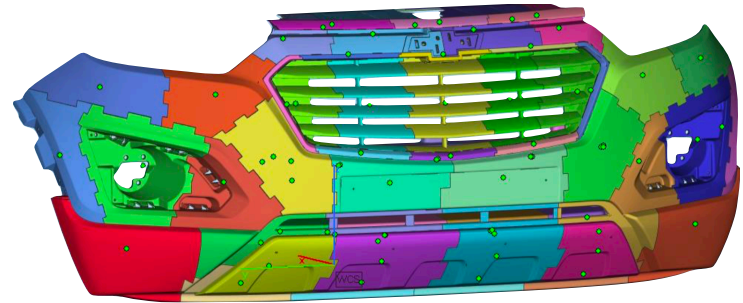
HP 3D HR PA 12

The project shows how it could be possible to realize parts and assemblies much larger than the build volume of the HP MultiJet Fusion thanks to a proper breakdown into many smaller pieces.

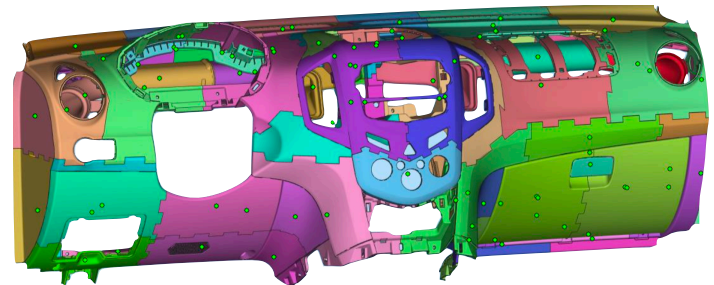
In order to maintain alignment and tolerances, dedicated positioning templates have been realized by CNC machining of cheap and easily workable material such as PS or PU.

The welding of the parts has been carried out following a patented procedure, developed by Skorpion Engineering, which allows to resume initial mechanical properties as well as perfect joints among parts.

At the end, the finishing hides the welding lines and gives to the final product an absolutely smooth appearance.



Front Bumper Assembly, total 73 pieces



Dashboard Assembly, total 84 pieces