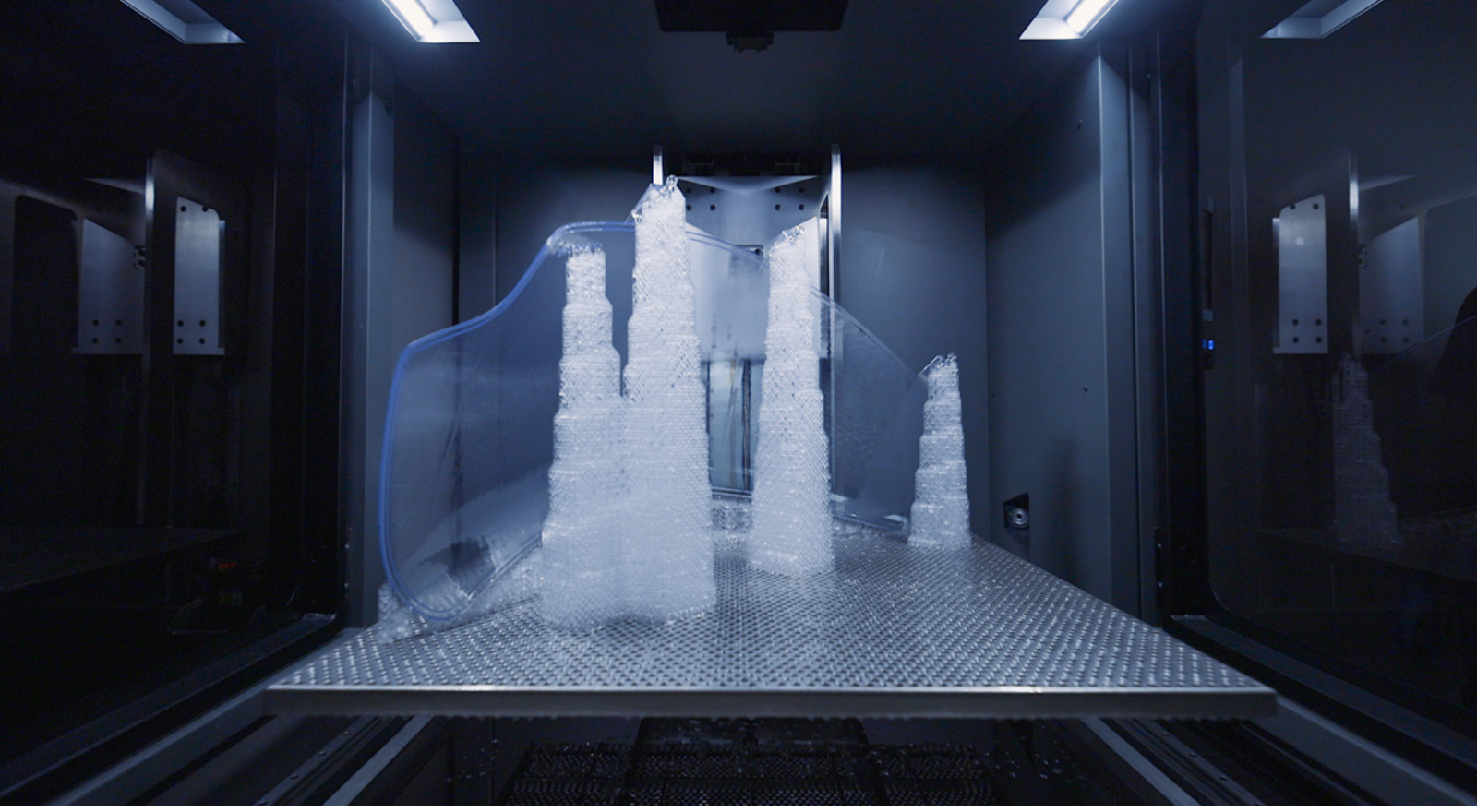

Automotive Headlamp

This automotive headlamp prototype highlights the size and finishing that can be achieved using Neo stereolithography. With a wall thickness of .11 in. (3mm) and an overall size of 28.3 x 24.8 x 18.1 in. (720 x 630 x 460mm), the headlamp prototype is perfect for automotive companies looking to print large lenses. The headlamp was printed by Service Bureau One3D on the Neo800 using Somos® WaterClear Ultra 10122 resin. After removal of supports, washed with isopropanol and cured, the part was sand blasted. Once complete, the part is then fully sanded starting at 240 to 1200 grit over 6.5 hours. Finally, the part is lacquered and left to dry over 24 hours to create the finish that you see on display. Using stereolithography 3D printing to produce prototype lenses rather than traditional processes such as PMMA or injection molding meant One3D could produce lenses in 2-5 days, 45% faster than traditional methods of production.

System	Neo®800
Material	Somos® WaterClear Ultra 10122
Build time	2d 8h
Material Amount Used	Somos® WaterClear Ultra 10122

ISO 9001:2015 Certified

PC-small_SL_Auto Headlamp_0522a

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