



Battery Cell Holder

This honeycomb-like casing houses the battery cells of an electric race car designed and manufactured by students at Pforzheim University in Germany. It was 3D printed with ULTEM™ 9085 resin material on an F900® 3D printer. Because only one of these housings was required, 3D printing offered the most time- and cost-efficient production method. ULTEM™ 9085 resin material was chosen because of its high strength, flame-resistance and non-conductive properties.

System	F900®
Material	ULTEM™ 9085 Resin
Build Time	20 hrs, 30 mins
Material Used	23 in ³ (377.2 cm ³)
Support Material Used	3 in ³ (48.4 cm ³)