



Carbon Fiber Layup Tool

This carbon fiber layup tool is a scaled down version of the real tool, which is used to fabricate an aerodynamic underbody panel for a Porsche GT2RS. Using the Neo®800 SL system, the part was able to be produced in 1 day and 3 hours, compared to the long lead times of an aluminum tool. The tool, printed using Somos® PerFORM, can be used in the same way as a traditional tool straight out of the machine if the surface finish is acceptable or can be sanded smooth to remove the layer lines. From this point, the tool undergoes the same process as a traditional tool – mold sealer is applied, release is applied, carbon is laid into the tool, and the tool is vacuum bagged and ran through the cure cycle. The material is able to withstand traditional cure cycles as it has a HDT of 132°C that can be thermally post cured to 268°C.

Industry	Automotive
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Material	Somos® PerFORM
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System	Neo®800
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Build Time	1d 3h
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ISO 9001:2015 Certified

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