



Preforming 2.0

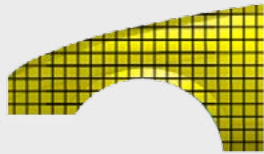
Additive Preform Manufacturing

Conventional

Raw material: Expensive multi-layer

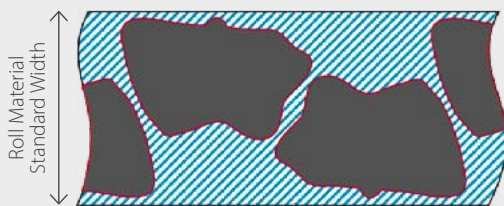


Only "standard" orientations available



Cutting waste (subtractive process):

> 40 %

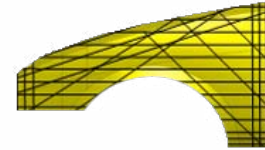


Additive Manufacturing

Raw material: (Carbon) Fibers or Tape

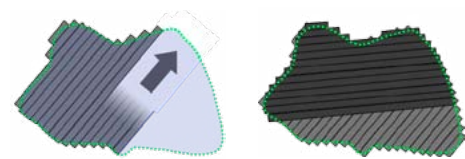


360° Fiber orientation possible



Cutting waste:

< 5 %



Required tailored stack geometry

Preforming at Compositence

- best possible material utilization due to low cutting waste rates
- reduced incidental costs (raw material logistics, storing, ...)
- allows to reinforce parts locally, a load path optimized part design & to mix raw materials (e.g. glass / carbon)
- is fully automated & capable to fulfill automotive volume demands (cycle time 1–5 minutes per preform)

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