

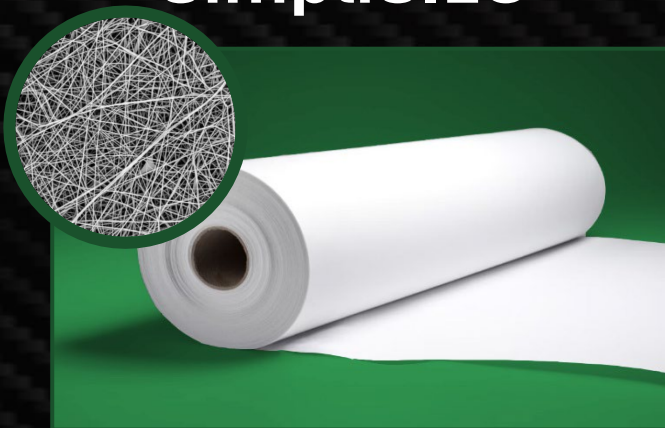


## Redefining the Limits of Composite Manufacturing

*Unlocking production rate, part performance, and operational agility*

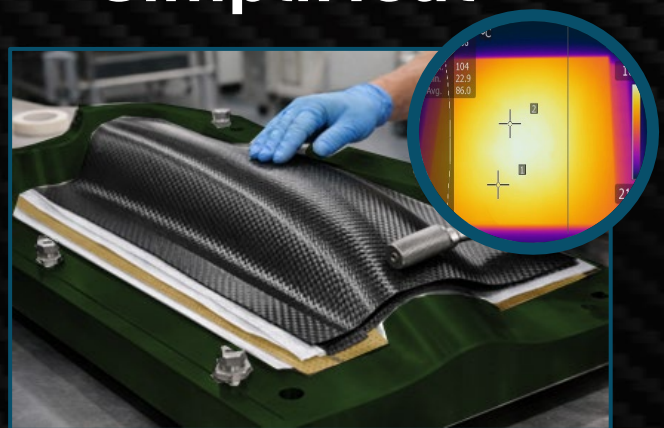
SimpliMade Composites develops manufacturing technologies that remove limits and pinch points in composite part production. These solutions integrate seamlessly with today's proven and broadly adopted prepreg materials and workflows to unlock Out-of-Autoclave (OoA) production. Enabling manufacturers to scale output, improve quality, and adapt operations without disruptive factory changes or process resets.

### SimpliSLC™



*Unobtrusive polymer nanofiber leave-in interleaf material for improved composite part manufacturing.*

### SimpliHeat™



*Surface heated composite tooling with for highly controlled and efficient part curing without Autoclave.*

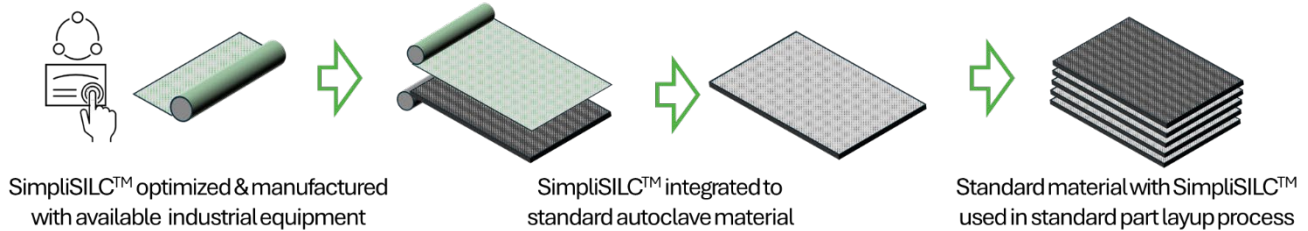
As demand for advanced composites grows, manufacturing constraints—rather than design capability—are increasingly shaping operations:

- 🔄 Capital- and energy-intensive cure infrastructure with long lead times
- 🔄 Nominal cycle times that limit throughput
- 🔄 Autoclave-driven capacity constraints that inhibit parallel production
- 🔄 Persistent scrap and rework that reduce effective yield
- 🔄 Composite parts supplier quality and on time delivery

The SimpliMade Composites solution set address each of these factors to remove scalability, quality, and operational agility constraints across program lifecycles.

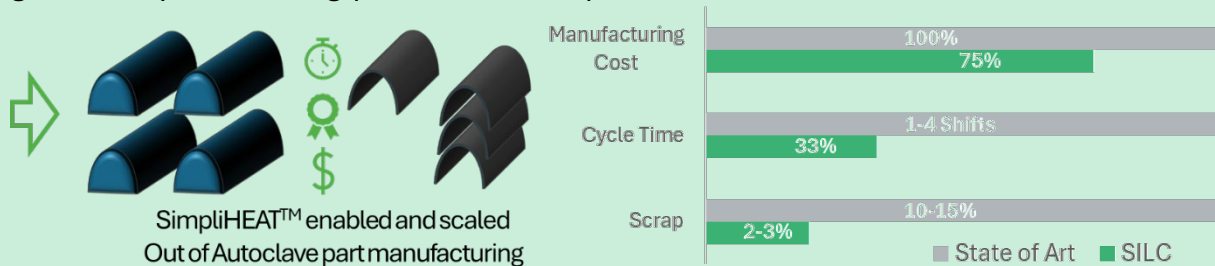
PAT. US9091657, US9839073, US11438973, US12324080, US12263663, EP11737604.6, EP15810988.4

SimpliSILC™ is integrated with standard, state-of-art autoclave prepreg materials prior to part layup process.

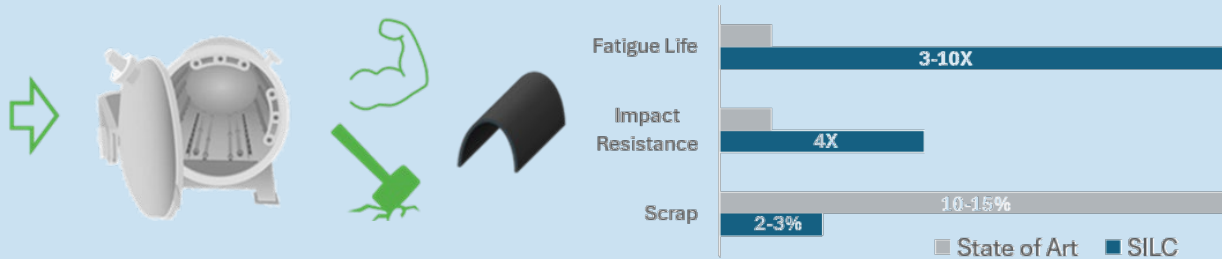


As the layup is heated, SimpliSILC™ creates interlaminar pressure through capillary action, promoting uniform resin and epoxy flow and reducing voids.

When cured on SimpliHeat™ tooling, part curing cycles are reduced, yield rate improves, and standard material systems are no longer dependent on autoclaves, significantly increasing production output over autoclave-constrained manufacturing.



When cured in traditional autoclave production equipment, standard material systems integrated with SimpliSILC™ can enhance impact & fatigue part properties and reduce scrap. This improves endurance and lightweighting of autoclave manufactured parts.



## Soliciting engagement with Composite Part Manufacturers

SimpliMade Composites is currently qualifying several production material systems with integrated SimpliSILC™, advancing through Proof of Equivalence (PoE), part qualification and initial production in 2026.

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IM7/8552, S2/8552,  
IM8/M91, IM10/M91



IMS65/EP2190, S2/EP2190



T1100/3960 UD, T1100/3960 PW

**What material systems, parts, and platforms will define your evolution?**