

# Product Specification

## Build and Fusion modules

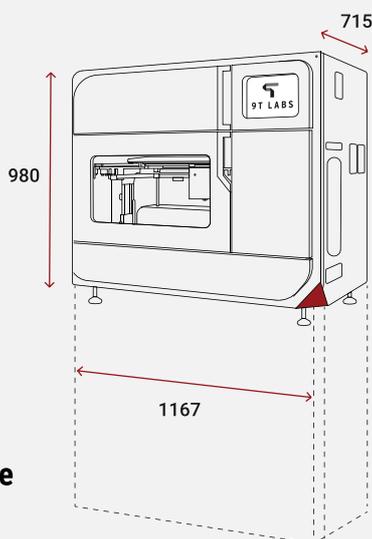
The proprietary **Additive Fusion Technology™ (AFT)** allows for full part consolidation by combining state of the art additive manufacturing equipment - Build Module - with advanced post processing technology - Fusion Module - and results in parts that can be used in the most extreme conditions.

### Build Module

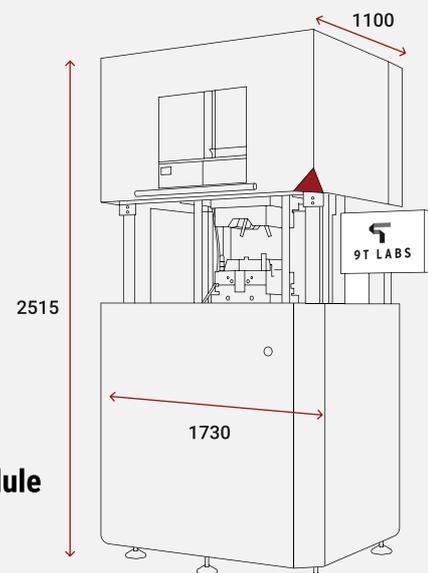
<b>General</b>	<b>Process</b>	Hybrid CF and neat plastic manufacturing  CF material: Omnidirectional filament placement (OFP)  Neat plastic material: Fused Filament Fabrication (FFF)
	Machine Footprint	1167 mm x 715mm x 980mm
	Build volume	350 x 270 x 250 mm
	Operational temperatures	Deposition: up to 450°C Print bed: up to 160°C Build chamber: up to 100°C Material storage: up to 100°C
	Onboard control	Touch display
	Power	230V 50Hz
	<b>Material</b>	OFP material
FFF material		PA and PEKK neat filament
<b>Software</b>	Part design	Fibrify™ Design Suite
	Machine operation	Fibrify™ Production
<b>Platform</b>	Connectivity	Ethernet, USB, Wi-Fi
	Browser	Accessible via any web browser

## Fusion Module

<b>General</b>	<b>Process</b>	<b>Additive Fusion Technology (AFT)</b>
	Machine Footprint	1730mm x 1100mm x 2515mm
	Fusion volume	350mm x 270mm x 250mm
	Operational fusion temperatures	Active pressure control up to 200 bar (standard fusion pressure app. 10-20 bar)
	Onboard control	Touch display
	Power	400V 50Hz
<b>Forming tools</b>	Concept	Modular frame concept with rigid tooling inserts.
	Part surface	Similar to standard composite moulding processes, no layer step pattern, smooth surface.
	Part dimensions	Outside dimension: $\pm 0.1$ mm Position tolerances: $\pm 0.05$ mm Fit size: $\pm 0.02$ mm
	Tool service	Service function in Fibrify® to one-click order tooling inserts.
<b>Software</b>	Machine operation	Fibrify® Production
<b>Platform</b>	Connectivity	Ethernet, USB
	Browser	Accessible via any web browser



**Build Module**



**Fusion Module**