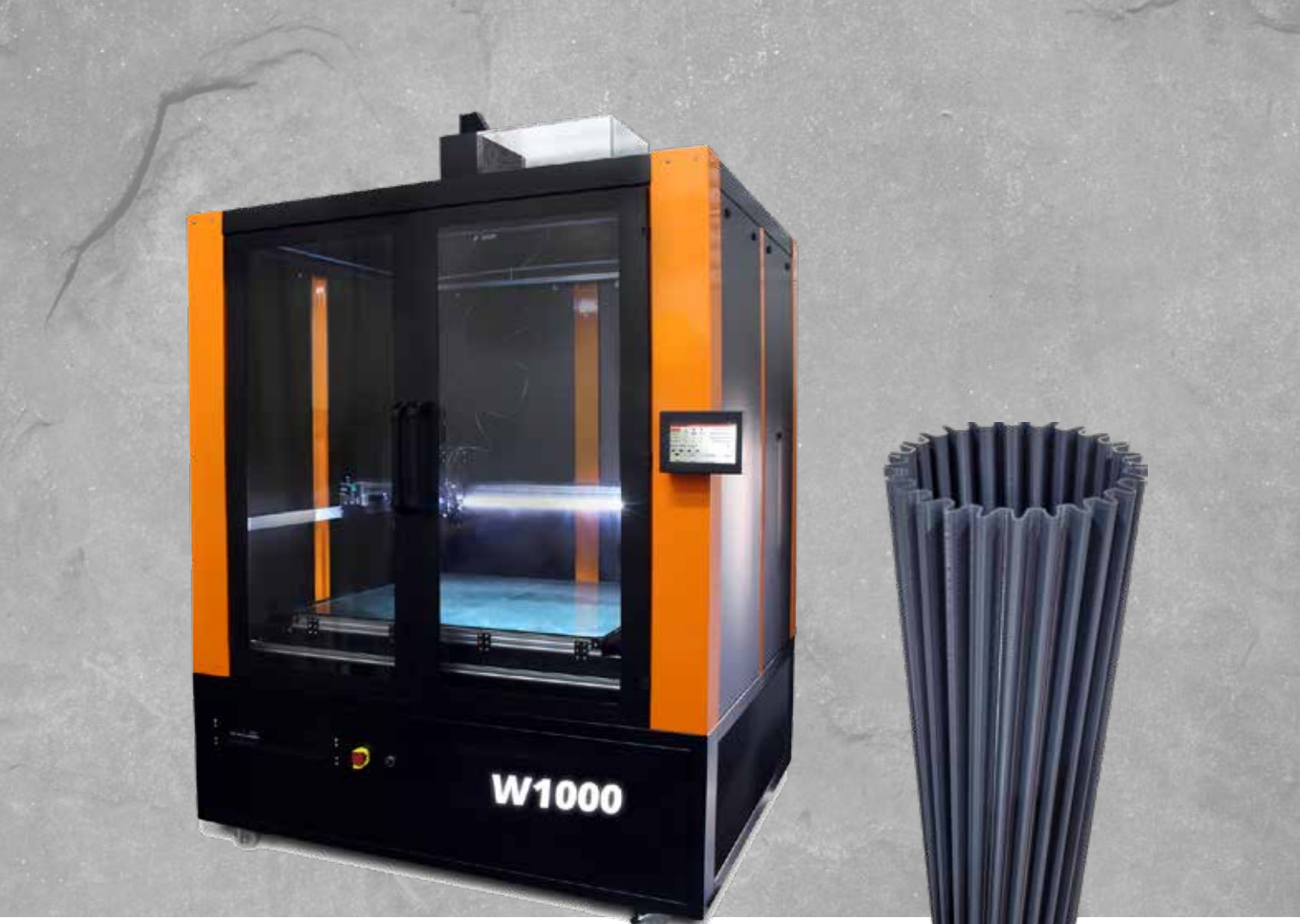


ADDITIVE MANUFACTURING

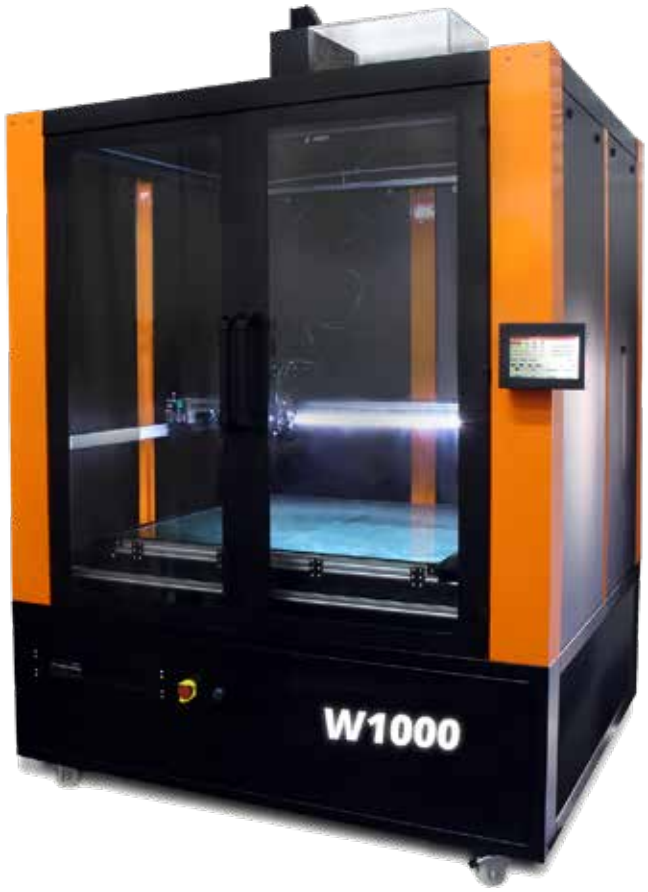
Wietech 3D printers empower you to minimize cost and improve manufacturing processes. Offering an open-source platform and easy to operate no special facility requirements, eliminating additional facility expenses. They are suitable for various environments such as classrooms, offices, or shop floors. These user-friendly 3D printers assist you to optimize your conceptual designs, multiple prototype iteration, validate functionality, jigs, fixtures, and manufacturing aids and more, enabling you to enhance production processes and elevate your business to a new level.

Wietech 3D

W1000

Extra-large build volume easy-to-use industrial-strength 3D printer

Extra-large build volume easy-to-use industrial-strength 3D printer.
Build volume measuring 1000 x 1000 x 1000 mm and offers an open materials platform capable of accommodating two extra-large 5kg spools, ideal for extended printing projects.



Machine Specifications

Printing Technology	Fused Filament Fabrication [FFF]
Build Envelope (XYZ)	1000 x 1000 x 1000 mm (39.4 x 39.4 x 39.4 in.)
Extruder	Dual: Print and Support
Filament diameter	1.75mm
Material Storage	Two heated Filament bays: 1 for support, 1 for printing material
Nozzle Diameters	0.6 mm for modeling and 1.2 mm for support (0.4 , 0.9 mm optional)
Power Requirements	208-220V, single phase, 50/60 Hz, 28 Amps
Slicing Software	Simplify 3D - included / other options available
Operating System	Microsoft Windows 10 (Pro, Enterprise, Education; all 64-bit versions)
Machine size uncrated (w,d,h)/Weight	1.8 x 1.6 x 2.2 m (70.8 x 63.0 x 86.6 in.); 690 kg / 1,521 lbs
Machine size crated (w,d,h)/Weight	1.95 x 1.80 x 2.40 m (76.8 x 71.0 x 94.5 in.); 840 kg / 1,851 lbs
Achiavable Parts Accuracy	±.15mm (.0059 in.) or ±.0022 mm/mm (±.0022 in./in.), whichever is greater*
Max. Nozzle Temperature	Max 450 °C
Max. Bed Temperature	Max 120 °C
Bed Leveling	Automatic
Network Communication	10/100 base T connection. Ethernet Protocol
Operating Environment	18°–30° C (64°–86° F) / 30%–70% relative humidity

* accuracy is geometry, size, material and ambient dependent

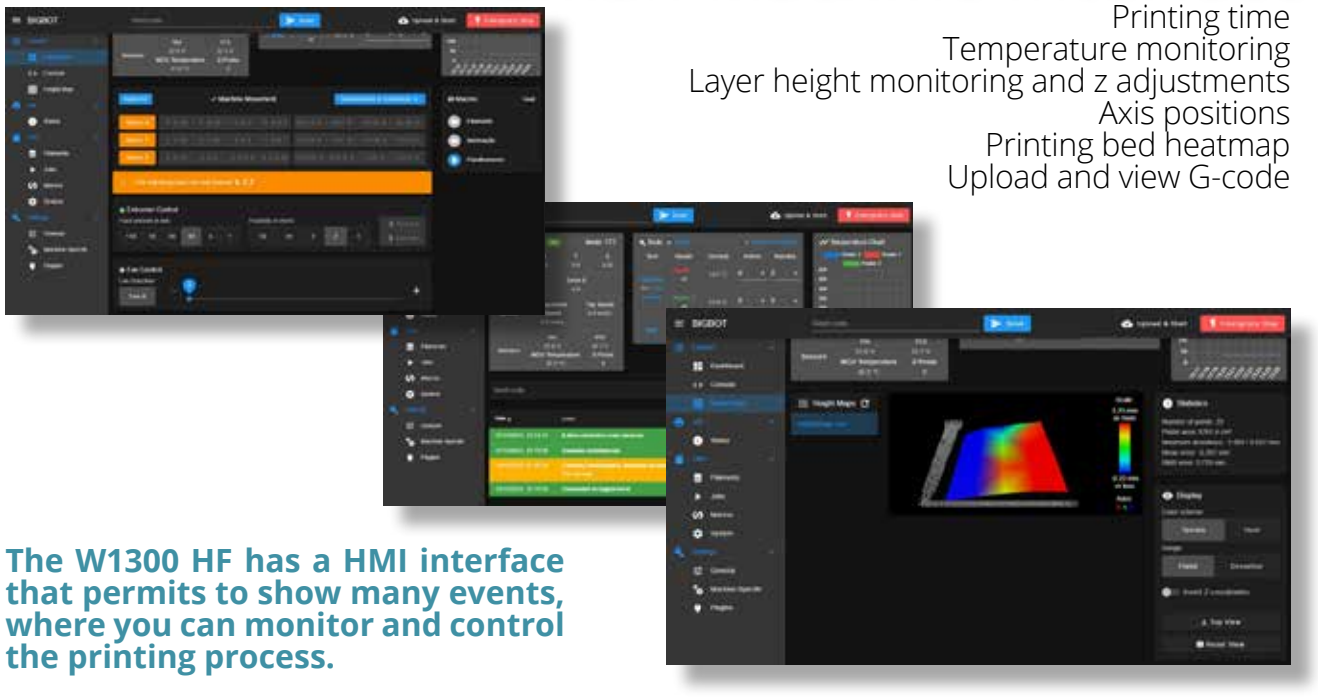
Materials Specifications

Material Options - Open source Printer				
Wietech Recommended Materials				
Material*	**Layer Height**	**Layer Height**		
Diameter 1.75 mm	0.25mm or higher mm (0.0098in.)	No special concerns	Support Filament (water soluble)	Available Colors
ASA		X	X	● ● ● ● ● ○ ● ● ●
ASA-CF	X		X	●
ABS		X	X	● ● ● ● ● ○ ● ● ●
PC-ABS		X	X	●
PP-CF	X		X	●
PA-6		X	X	●
PLA		X	X	● ● ● ● ○ ●
PETG		X	X	● ● ● ● ● ○ ●
TPU		X	X	●
SOLUBLE SUPORT		X	X	○
PCTG		X	X	● ○ ●

* Supplied by 3DXTECH®

Human Machine Interface

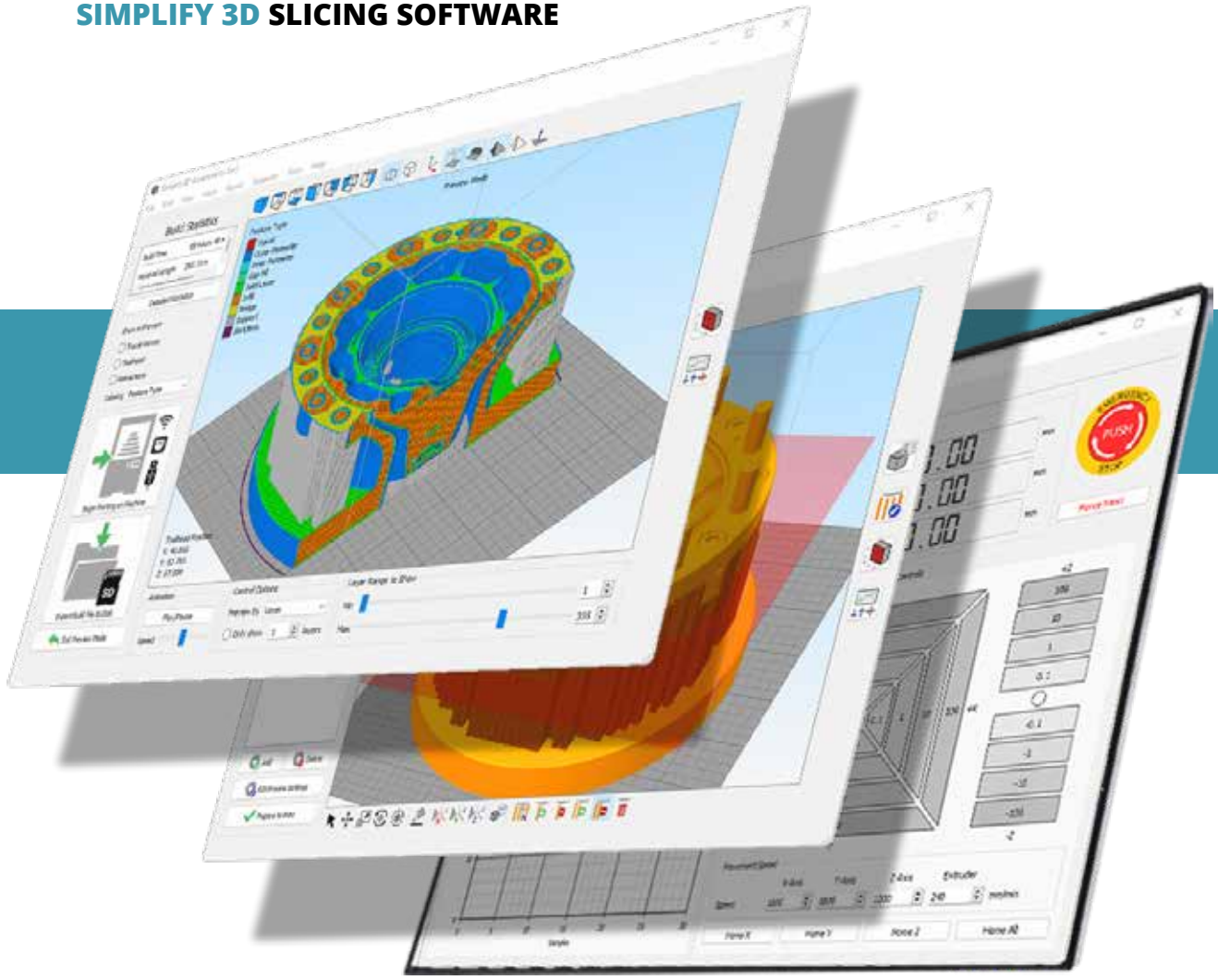
Printing time
Temperature monitoring
Layer height monitoring and z adjustments
Axis positions
Printing bed heatmap
Upload and view G-code



The W1300 HF has a HMI interface that permits to show many events, where you can monitor and control the printing process.

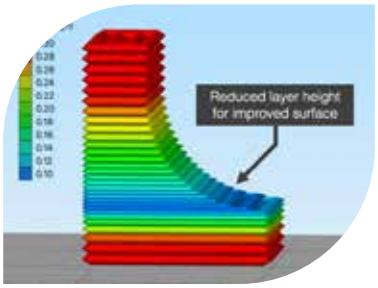
Wietech suggestion

SIMPLIFY 3D SLICING SOFTWARE



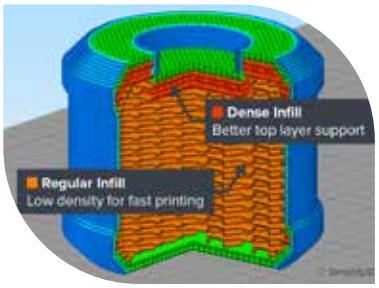
3D Infill Patterns

New 3D infill patterns that morph throughout the print creating strong internal structures.



Adaptive Layer Height

The software dynamically optimizes the layer height based on model topology for the perfect balance of quality and speed.



Dynamic Infill Density

Dynamically increase the infill density near the top of the part for improved top surfaces and reduced material usage.

SEE SERVICE SUPPORT GUIDE TABLE AT WIETECH3D.COM

Wietech 3D printer portfolio covers a wide range of applications, from rapid prototyping to the fabrication of short-run production parts or intricate custom components. Offering a diverse selection of materials to meet specific application requirements, ensuring compatibility with functional performance and excellent mechanical properties.

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