

BUILDER



3D print functional, durable, strong and industrial grade parts on the Extreme 1500 PRO Heated Chamber.



Super-sized and super strong

From complex parts to super strong high-end tooling and prototypes, the Builder Extreme 1500 PRO HC can do the job. The extra-large build volume, in combination with the heated chamber, makes it the ideal large format 3D printing solution for materials such as ABS and ASA. These materials are strong, heat and UV resistant and durable.

XXL build volume

With a print volume of 1100x500x820 mm XYZ, designers and engineers are no longer limited in their creativity when it comes to bringing their ideas to life. The Extreme 1500 PRO HC has been designed to 3D print super-sized parts eliminating the need to cut files into smaller sections.

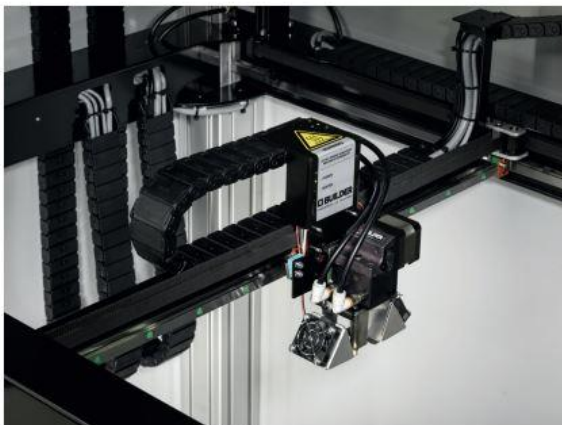
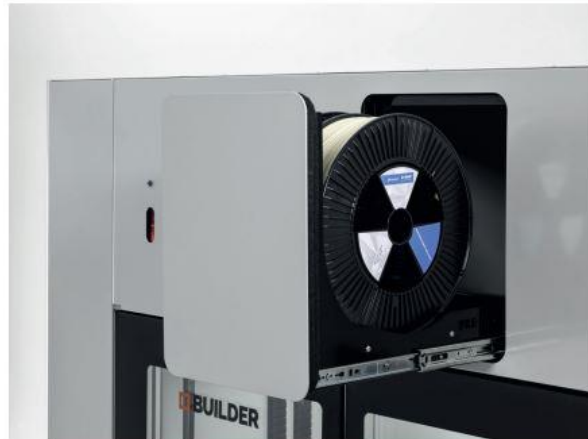


Heated Chamber for optimal results

To improve dimensional accuracy, strength and overall quality of the prints, the Extreme 1500 PRO HC has an actively heated chamber. The heated chamber, with a maximum temperature of 70 degrees, is ideal for printing materials such as ABS, ASA and PET-C. The heated chamber makes sure the temperature difference between the first layer, touching the bed, and layers above the bed are not too far apart from each other which minimizes warping and improves adhesion.

Filament chamber – passively heated

The filament chamber is passively heated by the heated chamber, as it is located right above the heated build area. The chamber offers space for two 4.5 kg spools which can be placed next to each other. While the printer is printing with one of the filament spools, the other spool can already be placed inside the chamber for drying. The drying process is needed for best material properties, optimal print results and to minimize warping.



Water cooled print head

Materials like ABS, ASA and other industrial grade materials need to be printed at a higher temperature (250 -300 degree Celsius). To make sure the print head stays in good condition, it is water cooled. The water cooling system protects the print head from getting too warm causing parts to wear down faster. The cooling fluid can easily be refilled at the front of the machine if needed.

Touch screen

The 7 inch touch screen allows you to have adjustment control over the printer and the printed part. You can not only change print speed and nozzle/bed temperature, but also adjust the bed leveling while printing the first layer to compensate for any imperfections. The screen also allows you to lock the door, select printing profiles, turn on/off the light and many other options.



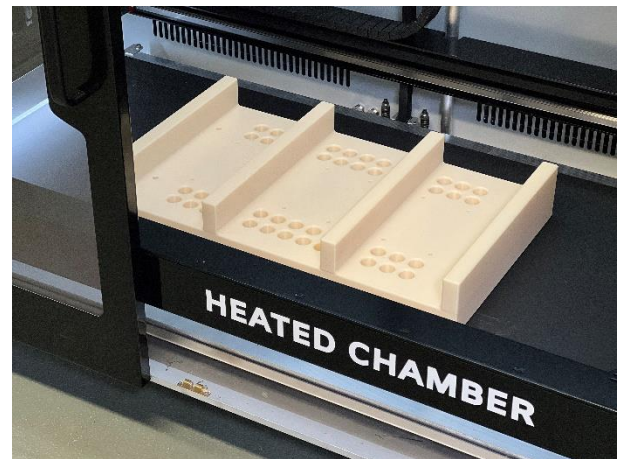
Specs

Please find below the key specs of the Builder Extreme 1500 PRO Heated Chamber. For the full spec sheet, please visit our website: www.builder3dprinters.com

Key Features	Print volume	1100x500x820 mm XYZ
	Print material	ABS, ASA, PET-G, PAHT CF15, Nylon, PC
	Heated chamber	Up to 70 degrees
	Heated bed	Up to 100 degrees
	Print head	Up to 300 degrees (water cooled)
	Bed leveling	Automatic
	Print speed	Up to 200 mm p/s (depending on material)
	Travel speed	Up to 300 mm p/s
	Layer height	0.2 - 0.7 mm (depending on nozzle size)
	Battery Pack	Yes (resume after power failure)
	Filament detection	Yes
General specifications	External dimensions	195x95x185 cm
	Power rating	3000 W (at peak)
	Certified	CE and UL
Printing process	Technology	Fused deposition modeling (FDM/FFF)
	Print head	Mono extruder
	Build plate	Aluminum build plate (optional flexible build plate)
	Feeder type	Direct drive
	Nozzle diameter	0.4 / 0.6 / 0.8 mm
	Filament diameter	1.75 mm
Control	Connectivity	Wi-Fi, USB, Ethernet
	Display	7-inch full colour touch screen
	Supplied software	Simplify3D®



ASA 3D print



ABS 3D print