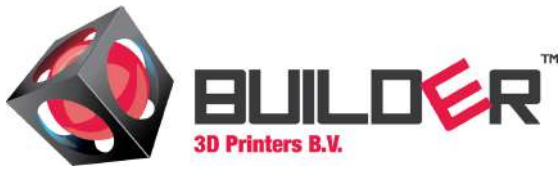




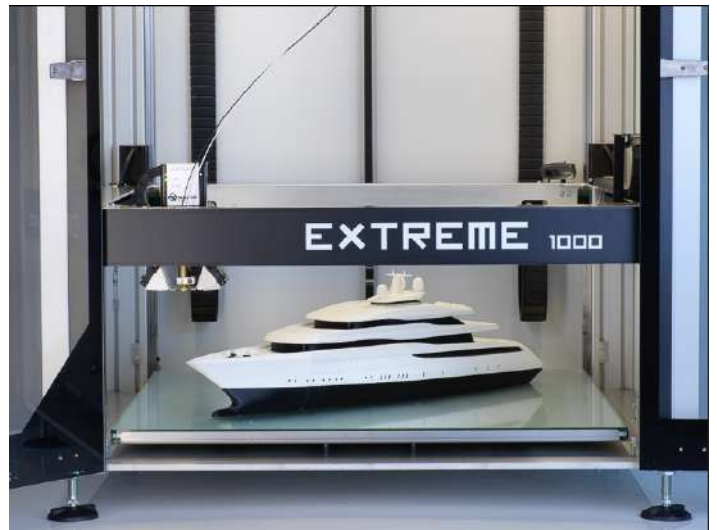
3D print functional and complex industrial grade parts on the **Builder Extreme 1000 PRO.**



The Builder Extreme 1000 PRO is made to deliver and prints industrial grade parts 24/7. By 3D printing your own prototypes, moulds, tools and fixtures you no longer need to rely on external suppliers. This helps you reduce the product development time by several weeks.

Massive build volume

The large build volume of 700x700x820 mm (XYZ) makes the Builder Extreme 1000 PRO one of the biggest industrial FDM 3D printers available today. With this printing dimensions, engineers are now able to print full size objects within days. It is the perfect machine for 3D printing full size automotive or aerospace parts, product design and art objects.



Fully-closed housing

The fully closed housing of the Extreme 1000 PRO, in combination with the heated bed, positively influence the print quality of the finest details of the printed objects. It also improves the adhesion of the 3D printed part which is key for extremely large prints. The transparent doors allow you to monitor the printing process and reduce the sound of the machine by 40%. The Extreme 1000 PRO is ready to incorporate a BOFA extraction unit, which reduces the occupational risks associated with melting plastics.



Versatile Dual-Feed extruder

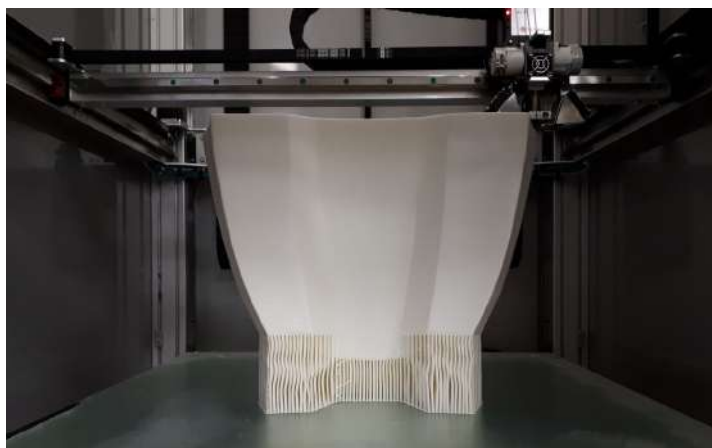
The Dual-Feed extruder was developed in-house and has only one nozzle. The machine allows to print dual-material objects, such as PLA with PVA, as well as extremely large single material prints. The extruder comes with a set of easy to swap nozzles of three different diameters, which helps optimise the process.



0.4 mm nozzle
0.8 mm nozzle
1.2 mm nozzle

0.1 – 0.3 mm layer height
0.4 – 0.7 mm layer height
0.8 – 0.9 mm layer height

Printing extremely large parts? Use both extruders in 50% and print with 2 x 4.5 kg spools. By printing two spools at once (9 kg in total), the print quality improves and the filament needs to be changed rarely.



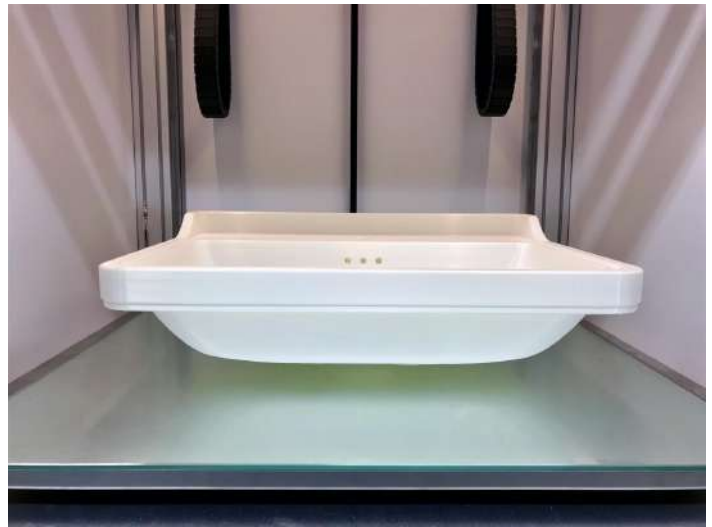
Slicing software

Slicing software is just as important as the 3D printer itself. That is why the Builder Extreme 1000 PRO comes with Simplify3D, which is the ideal program for large scale 3D prints. To make a start hassle-free, we already optimised the settings for the different nozzle diameters so you can start printing as soon as the 3D printer arrives.



Features that make large scale 3D printing trouble-free

The Builder Extreme 1000 PRO comes with an integrated UPS system that resumes the operation after a power cut. When a power failure occurred, the current status is saved and as soon as the power comes back, you can resume the print. The filament detection kicks in when the machine is running out of filament. After refilling the new spool, you can finish the print job. This also allows you to fully use each spool and reduce the material leftovers.



Effortless operation – 7-inch touch screen

The responsive, full-colour touch screen makes operating the Builder Extreme 1000 PRO straightforward. The touch screen allows you to have adjustment control over the 3D printed part and the Builder Extreme. From print speed and temperature to changing filaments – most of the parameters can be altered on the screen. The printer comes also with useful instruction videos about the machine operation and maintenance. Lock the screen with your personal code for safety reasons.



Key facts	Operating volume Print speed Layer height resolution Unique features	700 x 700 x 820 mm (XYZ) Up to 120 mm/s 0.1 – 0.9 mm Filament detection system Uninterruptible power supply Interchangeable easy-to-swap nozzles BOFA extraction unit (optional)
General specifications	Outer dimensions Shipping dimensions Weight Power rating UPS system	101 x 101 x 155 cm 108 x 108 x 175 cm 225 kg 1800 W (peak) Resumes after power outage
Printing process	Technology Print head Print speed Travel speed Build plate Heated bed Levelling Feeder type Nozzle diameter	Fused deposition modelling (FDM/FFF) Mono- or Dual-Feed extruder Up to 120 mm/s Up to 200 mm/s Heated glass build plate Up to 60°C Semi-automatic (auto-levelling expected Q4 of 2019) Direct drive 0.4 / 0.8 / 1.2 mm
Control	Connectivity Display On-board camera Supplied software	Wi-Fi, USB port, Ethernet 7-inch full colour touch screen Live view from desktop or mobile devices Simplify3D®
Filaments	Filament diameter Filament detection Materials	1.75 mm Yes PLA, PET, PVA, PRO1 (ABS replacement), flexible filament







All specifications might be subjected to changes.

Builder Extreme is also available with financial lease.

Interested?

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