BUILDER™
3D Printers B.V.

3D print complex, large and durable industrial grade parts on the **Builder Extreme 1500 PRO**.

The Builder Extreme 1500 PRO is seen as a workhorse printing 24/7 and it is able to fit in every office environment. The uniquely long build area makes it the perfect industrial 3D printer for automotive, aerospace and architectural projects.

Extremely long build volume

The build volume of Extreme 1500 PRO is 1100x500x820 mm (XYZ) which makes it one of the longest and biggest industrial FDM 3D printers available today.

Despite the extremely long X axis, the machine is the perfect fit for each and every office space as it fits into the smallest corners and even in a lift.

Fully-closed housing

The fully closed housing of the Builder Extreme, 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 3D printing process and reduce the sound of the machine by 40%.

Versatile Dual-Feed extruder

The Dual-Feed extruder has been developed in-house and has only one nozzle. Nevertheless, the machine prints mono-material objects, but also duo-material or multi-coloured printjobs, such as PLA with PVA. The extruder comes with a set of easy to swap nozzles of three different diameters, to influence print quality and printing time:

0.4 mm nozzle	(0.1 – 0.3 mm layer height)
0.8 mm nozzle	(0.4 – 0.7 mm layer height)
1.2 mm nozzle *	(0.8 – 1.0 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 will improve and the filament needs to be changed rarely, which reduces print time.

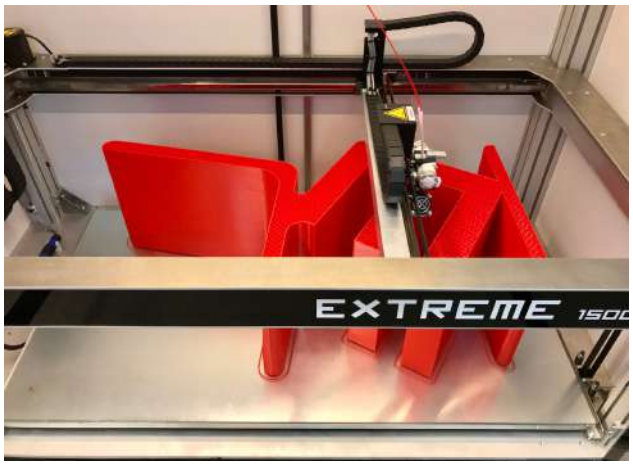
Effortless operation – 7-inch touch screen

The responsive, full-colour touch screen makes operating the Builder Extreme easy and effortless. The touch screen allows you to have full adjustment control over the 3D printed part and Builder Extreme. From print speed, temperature to changing filaments – most of the parameters can be changed 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.

* experimental

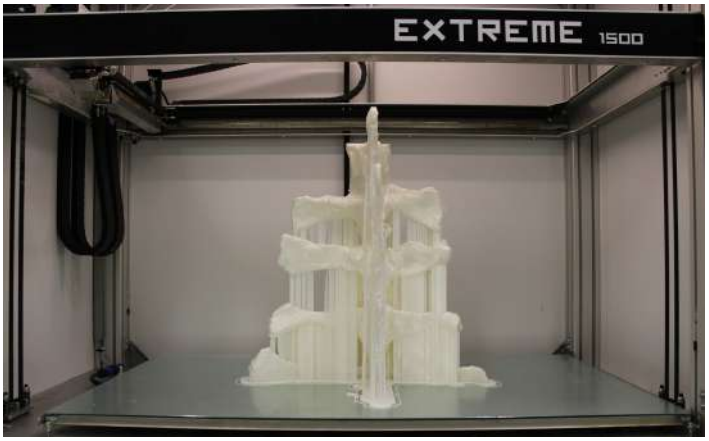
Features that make large scale 3D printing trouble-free

The Builder Extreme comes with an integrated UPS system that resumes the operation after a power cut. When a power failure occurred, the current status will be 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 to reduce leftovers on bigger spools.



Mobility

The machine takes relatively little space, so it can be placed both in a corner of your office and in the industrial warehouse of the factory. Furthermore, it is equipped with the four inbuilt wheels which makes it mobile and easy to transport between different departments, in order to manage the workflow of production better.



Slicing software

Slicing software is just as important as the 3D printer itself. That is why the Builder Extreme comes with Simplify3D, which is the ideal slicing software 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.

Key facts	Operating volume	1100 x 500 x 820 mm (XYZ)
	Print speed	Up to 120 mm/s
	Layer height resolution	0.1 – 0.9 mm
	Unique features	Filament detection system Uninterruptible power supply Interchangeable easy-to-swap nozzles 4 transportation wheels
General specifications	Outside dimensions	151 x 79 x 155 cm
	Shipping dimensions	165 x 85 x 190 cm
	Weight	225 kg
	Power rating	1400 W
	UPS system	Resumes after power outage
Printing process	Technology	Fused deposition modelling (FDM/FFF)
	Print head	Mono- or Dual-Feed extruder
	Print speed	Up to 120 mm/s
	Travel speed	Up to 200 mm/s
	Build plate	Heated glass build plate
	Heated bed	Up to 60°C
	Levelling	Semi-automatic (auto-levelling expected Q4 of 2019)
	Feeder type	Direct drive
	Nozzle diameter	0.4 / 0.8 / 1.2 mm
Control	Connectivity	Wi-Fi, USB port, Ethernet
	Display	7-inch full colour touch screen
	On-board camera	Live view from desktop or mobile devices
	Supplied software	Simplify3D®
Filaments	Filament diameter	1.75 mm
	Filament detection	Yes
	Materials	PLA, PET, PVA, PRO1 (ABS replacement), Flexible filaments

All specifications might be subjected to changes.