

 **BUILDER**

INDUSTRIAL 3D PRINTERS



Fabricate large and complex
high-quality parts on the
Builder Extreme 1000 PRO.

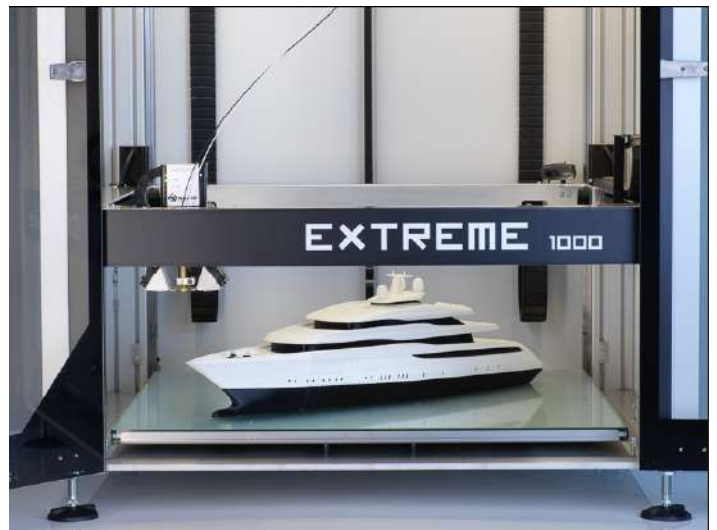
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The Builder Extreme 1000 PRO is made to deliver and allows to create industrial grade objects 24/7. By 3D printing your own prototypes, moulds, tools or fixtures you no longer need to rely on external suppliers. It helps you reduce the product development 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 FDM 3D printers available today.

With this printing dimensions, engineers and designers are able to create large models within days. It is perfect for 3D printing full size automotive or machinery prototypes, product designs or art pieces.



Fully-closed housing

The fully closed housing of the Extreme 1000 PRO, in combination with the heated bed, positively influences the print quality of the finest details of your objects. It also improves the adhesion of the 3D printed part which is a key for extremely large prints.

Transparent door allows you to monitor the printing process and reduces the sound of the machine by 40%.

Builder Extreme 1000 PRO is ready to integrate a BOFA fume extraction unit, which reduces the occupational risks associated with melting plastics.

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Versatile Dual-Feed extruder

The Dual-Feed extruder has been developed in-house and has only one nozzle. The machine enables to print dual-material objects, as well as extremely large parts made of one material.

The extruder comes with a set of easy to swap nozzles of three different diameters.



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 two big spools of filament. When you continuously print 9 kg of material, the print quality improves and the filament needs to be refilled rarely.

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 ignites when the machine is running out of filament. After refilling the new spool, you can finish the print job.



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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.




Effortless operation – 7-inch touch screen

The responsive, full-colour touch screen makes operating the Builder Extreme 1000 PRO straightforward. The interface allows you to have adjustment control over the 3D printed part and your Extreme 1000 PRO. From print speed and temperature to the filament change – most of the operations can be altered on the screen.

The printer comes with useful instruction videos about the machine operation and maintenance activities.

You can lock the screen with a personal code for security reasons.



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|-------------------------------|-------------------------|--|---|
| Key facts | Operating volume | 700 x 700 x 820 mm (XYZ) | |
| | Print speed | Up to 300 mm/s | |
| | Layer height resolution | 0.1 – 0.9 mm | |
| | Unique features | Filament detection system Uninterruptible power supply Interchangeable easy-to-swap nozzles BOFA extraction unit (optional) | |
| General specifications | Outer dimensions | 101 x 101 x 155 cm | |
| | Shipping dimensions | 108 x 108 x 190 cm | |
| | Weight | 225 kg | |
| | Power rating | 1800 W (peak) | |
| | UPS system | Resume after power outage | |
| Printing process | Technology | Fused deposition modelling (FDM/FFF) | |
| | Print head | Mono- or Dual-Feed extruder | |
| | Print speed | Up to 300 mm/s | |
| | Travel speed | Up to 500 mm/s | |
| | Build plate | Aluminium build plate | |
| | Heated bed | Up to 60°C | |
| | Bed levelling | Automatic levelling | |
| | 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 | Snap shots 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 filament | |

All specifications might be subjected to changes.

Builder Extreme is also available with financial lease.

Interested?

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