

|                               |                         |                                                          |
|-------------------------------|-------------------------|----------------------------------------------------------|
| <b>Key facts</b>              | Operating volume        | 700 x 700 x 1700 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                     |
|                               |                         | Door locking system                                      |
|                               |                         | BOFA extraction unit (optional)                          |
| <b>General specifications</b> | Outer dimensions        | 134 x 105 x 224 cm                                       |
|                               | Shipping dimensions     | 142 x 110 x 237 cm                                       |
|                               | Weight                  | 250 kg                                                   |
|                               | Power rating            | 1800 W (peak)                                            |
|                               | UPS system              | Resume after power outage                                |
| <b>Printing process</b>       | 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                                         |
| <b>Control</b>                | 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®                                              |
| <b>Filaments</b>              | 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**



Discover new opportunities with the Builder **Extreme 2000 PRO** - our most advanced large scale 3D printer yet.



(+39) 049 9200900  
 info@mcadigital.it  
 www.mcadigital.it  
 via Frattina 38/40, Campodarsego, 35011, PD Italia

The Extreme 2000 PRO takes large scale 3D printing to more professional level. With its giant build volume of 700x700x1700 mm (XYZ), it is one of the tallest FDM 3D printers available on the market. The height makes it ideal for professional use and printing high quality industrial grade parts, time after time.

### Massive build volume

The Extreme 2000 PRO has been designed efficiently in order to fit in all of its key features without sacrificing print volume. Despite its huge build area, the Extreme 2000 PRO is optimal for all workspaces. The filament spools and control box are integrated in the housing and will open for easy access, when slightly pushing the panels. The 7-inch touch screen is ergonomically placed at a convenient to use level.

### Fully-closed housing

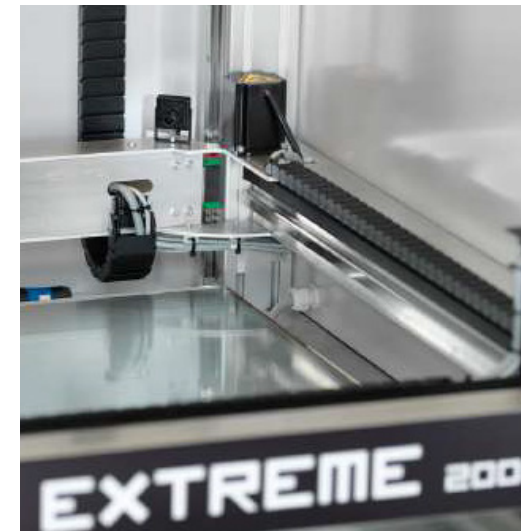
The fully closed housing, together with the heated bed, positively influences the quality of the printed object. It also reduces the sound of the machine by 40%. The transparent door allows you to monitor the printing process at all times. For safety reasons it can only be opened when the print is paused. The Extreme 2000 PRO is ready to integrate a BOFA fume extraction unit, which reduces the occupational risks associated with melting plastics.

### 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 0.1 – 0.3 mm layer height  
0.8 mm nozzle 0.4 – 0.7 mm layer height  
1.2 mm nozzle 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 2000 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.



### Slicing software

Slicing software is just as important as the 3D printer itself. That is why the Builder Extreme 1500 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.

