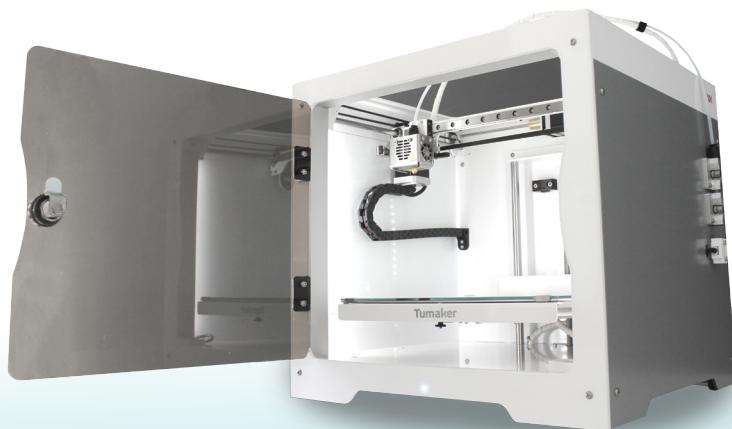




## TECHNICAL SHEET: Voladora NX +



Printer Volume: 225x295x200  
Printer Size: 45x41x41  
Package Size: 50x50x61  
Package Weight: 26 kg  
Printer Weight: 24 kg



Nozzle Diameter: 0.2 - 0.4 - 0.6 - 0.8 - 1.2  
Nozzle Temperature: 45°C - 350°C  
Nozzle Heat Up Time: 20°C: 200°C - 1'15" /  
250°C - 1'50" / 300°C - 2'35"



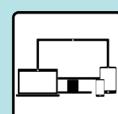
Materials: PLA, PETG, PP, Flex, Nylon  
Feeder Type: Double EMAXX Bowden extruder  
Print Core Replacement: Fast Change DART ANS  
Build speed: Depends on parameters



Connected to the Internet  
Connectivity: USB, Ethernet / Wifi



Energy Smart Management  
Power Rating: 500W  
Noise Level: 44 dB (closed door, 40dB)



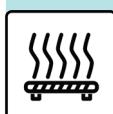
Display: No  
Control Devices: PC, tablet, Smartphone.  
Control Mode: Web



Layer Resolution: 20µm  
Maximum Layer Height:  
0,8 nozzle: 0,64mm  
0,6 nozzle: 0,48mm  
0,4 nozzle: 0,3mm  
0,2 nozzle: 0,16mm



Garantía limitada de 1 año



Heated Bed: 45° - 150°  
Build Plate Leveling / Active Leveling ? No  
Operating Ambient Temperature: 10°-35°C  
(optimum 20°C)  
Nonoperating Temperature 5°-45°C



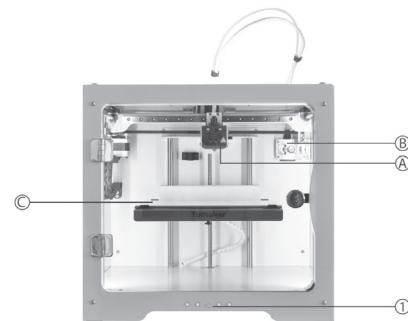
Simplify3D Professional Software



## MAIN PARTS OF THE PRINTER: Voladora NX +

### (A) HEAD OR HOTEND

It moves in the X and Y axes by melting the filament of material and depositing it on the platform or heated bed. It has a nozzle that heats up to the required temperature according to the corresponding printing material.



### (B) EXTRUDER

Supplies printing material to the head by extruding the filament.

### (C) PLATFORM OR HEATED BED

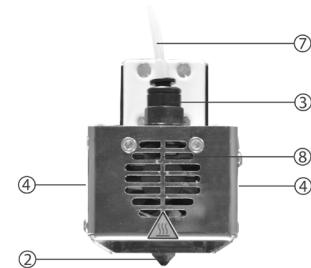
The printing happens on the surface of the platform; this one moves along the Z axis. Depending on the printing material, it must be heated to a different temperature.

The distance between the platform and the nozzle has to be perfectly calibrated for optimum printing. We'll see how to perform the calibration process later on.

### MAIN ELEMENTS OF THE PRINTER

① Light Indicator	⑤ Filament input
② Nozzle	⑥ Drive
③ Straight Adjuster	⑦ Bowden tube
④ Part Cooling Fan	⑧ Front fan

### (A) HEAD OR HOTEND



### (B) EXTRUDER

