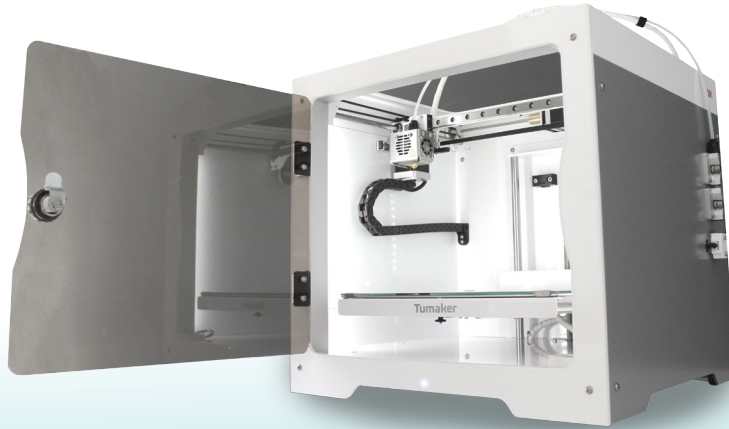




## TECHNICAL SHEET: Voladora NX +



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



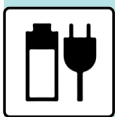
Nozzle Diameter: 0.2 - 0.4 - 0.6 - 0.8 - 1.2  
 Nozzle Temperature: 45°C - 350°C  
 Nozzle Heat Up Time: 20°C: 200°C - 1'15" /  
 250°C - 1'50" / 300°C - 2'35"



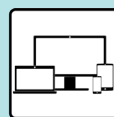
Materials: PLA, PETG, PP, Flex, Nylon  
 Feeder Type: Double EMAXX Bowden extruder  
 Print Core Replacement: Fast Change DART ANS  
 Build speed: Depends on parameters



Connected to the Internet  
 Conectivity: 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 +

### Ⓐ 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.

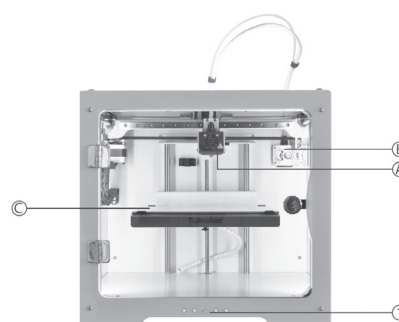
### Ⓑ EXTRUDER

Supplies printing material to the head by extruding the filament.

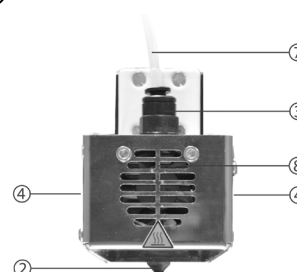
### Ⓒ PLATFORM OR HEATED BED

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.

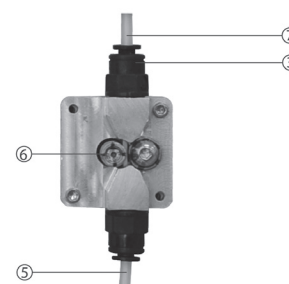
The distance between the platform and the nozzle has to be perfectly calibrated for optimum printing. We'll see how to perform the calibration process later on.



### Ⓐ HEAD OR HOTEND



### Ⓑ EXTRUDER



#### 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      |