ELEGOO Neptune 3 Pro 3D Printer

SKU: IT63442

€299.00

Specifications

Technical Specifications
- Technology: FDM (Fused Deposition Modeling)
- LCD screen: 4.3" Removable Magnetic Capacitive Touchscreen
- Connectivity: USB, TF Card
- Power Requirements: 100-240V 50/60Hz
- Print precision: ±0.1mm
- Nozzle diameter: 0.4mm
- Build Volume: 225mm(D) x 225mm(W) x 280mm(H)
- Printing Speed: 30-180mm/h (60mm/s is recommended)
- Light Source: UV Integrated Light (wavelength 405nm)
- Input Formats: STL, OBJ
- Output Formats: Gcode
- Slicing Software: Cura

General Specifications

- Dual-Gear Proximal Extruder: The dual-gear proximal drive extruder with gears made of SUS303 stainless steel features adjustable extrusion force and a 3:1 reduction ratio
- : Which ensures smoother filament feeding and stable accurate printing, greatly reducing nozzle clogging and gear jumping problems
- : Ideal for printing PLA, PETG, ABS, and flexible filaments such as TPU
- Massive Print Volume: With the largest-than-average build volume of 320 x 320 x 400mm / 12.59 x 12.59 x 15.74 inches, ELEGOO Neptune 3 Max gives you generous printing space
- : To let your creativity run wild, whether for printing larger models, or printing in batches
- Auto/Auxiliary Bed Leveling: The non-contact high-precision sensor automatically scans 49 points of the hotbed to compensate for any unevenness and inconsistencies of the printing platform
- : You can also use the hand-twist knobs under the build platform for auxiliary leveling to achieve a nice first layer
- Stable Quiet Printing: The Z-axis is designed with dual lead screws and dual-motor drive for more stable and precise movement of the print head,
- : And the double tie rod structure enhances the stability of the Z-axis gantry
- : With an STM 32-bit silent motherboard, the X/Y/Z/E axes are all driven by high-precision stepper motors to effectively reduce the printing noise under 50 dB
- PEI Magnetic Platform: PEI magnetic platform with a special coating and spring steel sheet for strong adhesion and anti-warping,
- : The model will come off automatically after the platform cools down for a better user experience.
- : The 420W high-power hotbed can quickly heat up to 100°C
- Removable Capacitive Touchscreen: The 4.3-inch removable magnetic capacitive touch screen can be operated by hand-held or fixed on the base,
- : With a print model preview function to preview the model image during printing and observe the printing progress, supporting multi-language
- : There also comes with a drawer toolbox on the machine base to store tools used by the printer such as Allen wrench and nozzle accessories
- One-button Auto Bed Leveling: The 49-point leveling system adopts a non-contact sensor to automatically calibrate and compensate for any inconsistencies or unevenness
- : No more tedious leveling operations of the printing platform. Simply click the button on the screen to start the automatic leveling job!
- : There are hand-leveling knobs under the hotbed to fine-turn the build platform for a better compensation effect and final print quality
- Potent Extrusion: The dual-gear direct extruder has powerful and adjustable

- extrusion force and better grip on the filament
- : Paired with titanium alloy throat pipe to achieve a smooth even filament feeding
- Efficient Heat Dissipation: Widened aluminum heat sink and efficient front cooling fan for faster heat dissipation of the throat pipe, thus reducing nozzle clogging risk
- : Fans on both sides of the print head ensure omnidirectional and rapid cooling of printed layers for better overhangs and bridge printing results
- Print Quietly and Safely: STM 32-bit motherboard with silent drivers and a more reasonable nozzle heat dissipation structure reduce the noise to below 50db
- : POM V-slot wheels feature ultra-quietly, wear resistance and high precision movement
- :The 500W wide-voltage power supply does not need to be adjusted and can be automatically switched according to the input voltage to ensure printing safety
- Smart Printing: No more worry about unexpected power failure during printing since the printer can resume printing after the power supply is restored
- : With a filament detection sensor, whenever the filament runs out or breaks,
- : The printer will pause and alarm until you load new filament to avoid material waste and model scrapping
- Enhanced Stability: Structure Z-axis dual lead screw+Z-axis dual-motor design with better synchronization increases the printing accuracy and stability,
- : While the double tie rod structure enhances the stability of the Z-axis gantry
- : The knob-type XY-axis belt tensioner is easier to adjust belt tightness
- : Widened Y-axis profiles are driven by 6V wheels and work with the imported high-quality synchronous belt for a more stable printing platform
- More Practical Features: The LED light strip on the gantry can be operated by the button on the screen to conveniently observe the model printing in a dim environment
- : After printing, all fans will automatically stop working to save power, reduce noise, and prolong the fan lifespan
- : The 250W hot bed can be quickly heated up to 100°C to meet the temperature requirements of different filaments
- : The drawer toolbox on the machine base is a perfect place to store tools used in the printer

Dimensions & Weight
- Dimensions (HxWxD): 51.5x47.5x45.5 cm
- Weight: 8.1 kg