Geeetech E180 3D Printer

SAFETY INSTRUCTION

⚠️Do read all the instructions and cautionary markings in this manual before operating your E180 3D printer.

⚠️E180 3D printer contains heated moving parts. Never reach the printing head and the building platform while it is in operation or before it has cooled down.

⚠️Disconnect your E180 3D printer from the power supply and computer when not in use.

⚠️Do not print using materials that have not been approved by GEEETECH for use with the E180 3D printer.

⚠️Only operate your E180 3D printer in a well-ventilated space, away from moisture and heat sources with a working smoke/fire alarm.

ABOUT E180

Geeetech has launched its brand new cloud 3D printer --- E180. Compact and easy-to-manage, E180 is geared toward helping you map your boundless imagination to real experiences and tangible creations through trial and error.

Its classic black and white comparison gives E180 a touch of elegance and simplicity. Made from sheet metal and injection modeling, the whole architecture is endowed with the characteristics of stability, endurance and vibration-resistant performance, hence extraordinary printing experience. The cantilevered design saves much room for enlarging the build volume and enables users to observe the printing in a full view.

E180 features a build volume of 130*130*130mm and runs at a high traveling speed. Adopting Bowden extruder reduces the moving mass of the printing head and allows faster controlled motion, less shaking of E180, and more importantly, faster printing! The extruder extrudes smoothly, avoiding clogging or jamming. Another important feature should be the break-resuming capability, empowering E180 to save and stop the current printing job lest power outage or filament fracture
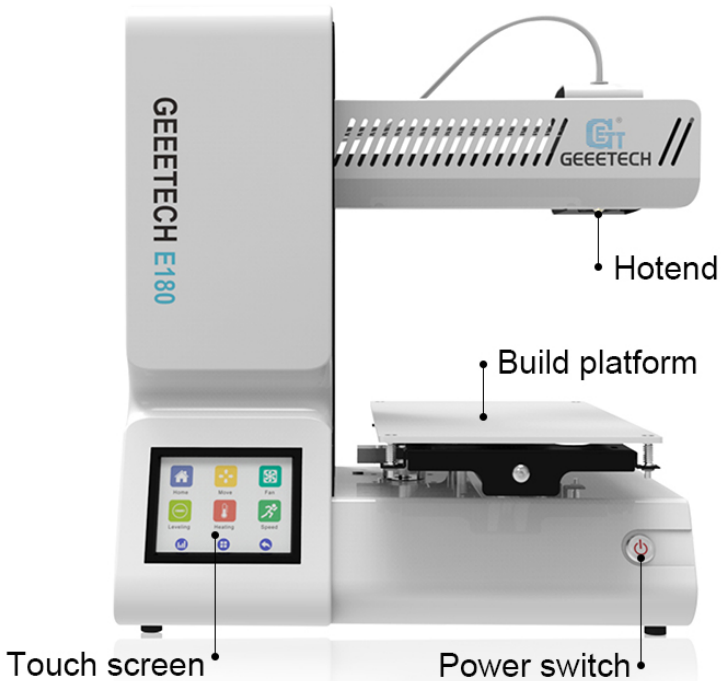
takes place. In a word, it is the rigorous design that enables E180 to deliver smooth surface finish, sleek contour, clear angles and strong structure for the final printout.
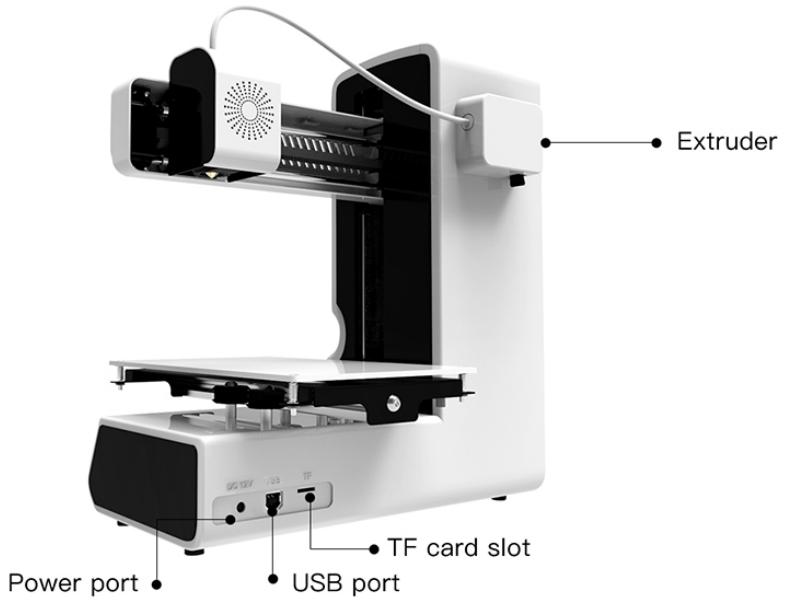
Wi-Fi connectivity allows users to enjoy the convenience of cloud 3D printing solution, via which they could make full use of free 3D models, direct real-time control over your printer and share fantastic designs and prints on EasyPrint 3D App. This App is responsive and user-friendly. Besides, E180 comes with a simple and intuitive full-color touch screen which greatly streamlines the whole workflow. On the touch screen, you could use the 5 points leveling method to calibrate the build platform, ensuring great adhesion of the first layer. The leveling method is easy, accurate and effective. Moreover, with a SD card, this color touch screen allows E180 to run untethered to the computer. All these end-to-end user interfaces make the operation flow controllable at your fingertips.

Bearing users' safety and health in our mind, we designed the hotend of E180 to be entirely enfolded so as to avoid unnecessary scald or danger. In addition, the employment of PLA is environment-friendly, nontoxic and rich in color, fitting

E180 perfectly into different circumstances. Furthermore, its simple structure requires low maintenance during the operation process. Only regular lubrication is ok. The modularization of the extruder makes the process of swapping the nozzle a no-brainer, reducing technical hassles. Please download the user manual here:

https://www.geeetech.com/geeetech-e180-mini-3d-printer-p-1017.html

Extruder

TF card slot

Power port

USB port

Accessories

Spare nozzle	Filament spool kit
Masking tape	Power cable
TF card	USB cable
Starter filament	Tool kit

Specifications

Printing parameters

Print technology: FDM

Build volume: 130x130x130mm

Printing precision：0.05mm

Positioning precision: X/Y：0.11mm. Z：0.0025mm

Print Speed: 80-110mm/s recommended

Filament diameter: 1.75mm

Nozzle diameter: 0.4mm

Filament supported: PLA

Belts:

Operating system: Windows, MAC

Control software: EasyPrint 3D, Cura, Simplify 3D, etc

File format: .stl, G-code

Temperature:

Max extruder temp: About 230°C

Electrical:

Power supply: DC 12V/6A

Connectivity: Wi-Fi, USB, TF card (support stand-alone

printing)

Display screen: 3.2 inches Full color touch screen

Mechanical:

Chassis: Metal plate + injection molding

Build Platform: Aluminum alloy plate

XYZ Rods: Wear-resistant, stainless steel and lead screw (Z axis)

Stepper Motors: 1.8°step angle with 1/16 micro-stepping

Physical Dimensions & Weight

Machine dimension: 284x156x320 mm

Shipping box dimension: 374x267x386mm

Machine net weight: 4 kg

Machine gross weight: 6.5kg

Contact us

Technical support	1. Join our geeetech 3D printer user club. Here you can get the most professional and just-in-time technical support about your printer. Share anything about your geeetech 3d printer. https://www.facebook.com/groups/315127105604393 2.If you still can not solve problems yourself even with the help of above files, you can send e-mail to technical@geeetech.com.
Sales	For more products of Geeetech, please visit www.geeetech.com or send e-mail to sales@geeetech.com
Feedback	In order to improve our products to provide better user experience, please send your comments and suggestions to Rita.xiang@geeetech.cn. We will appreciate to hear your valuable suggestions.

GENERAL CARE AND MAINTENANCE

As with all the electronic equipment, it is important to keep your E180 clean to extend its life. Regularly remove dust and debris with a microfiber cloth or compressed air. Dredge the tube and the nozzle after use every time to ensure fluent performance.

● Don't leave the heaters on the printer turned on for a long periods of time when not used.

● Don't leave your printer in shady and moist places, which may exacerbate the problems associated with erosion.

● The three axes of the E180 are lubricated with grease for smooth operation and can last for a long time. Grease may need to be re-applied to your printer to maintain smooth performance.

● Avoid positioning your power supply unit in such a way that the brick is hanging, pulling, or putting any unnecessary stress in the electrical wires and components.