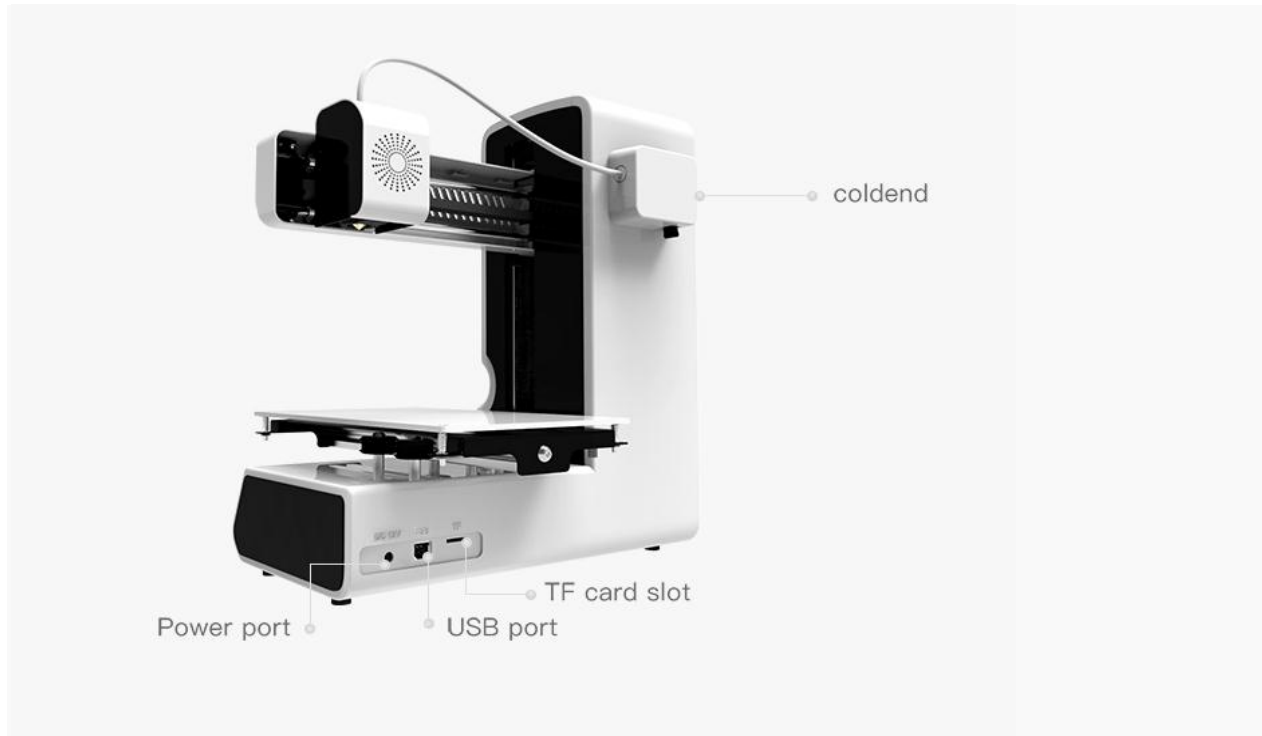E180, a compact, reliable and multi-functional 3D printer, is engineered to be cost-effective, with the aim of getting 3D printing technology accessible to every age group. It offers a slew of practical features to render this new tech easy-to-manage both for beginners and pros.

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. Its simple structure embodies ergonomics and design craftsmanship and endows E180 with the attributes of being handy and convenient.

coldend

TF card slot

Power port

USB port

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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.

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

Operating system: Windows

Control software: EasyPrint 3D

File format: .stl, G-code

Temperature:

Max extruder temp: 230°C

Electrical:

Power supply: DC 12V/6A

Connectivity: Wi-Fi, USB, TF card

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: 4.5kg

Machine gross weight:6kg