

## Reading instructions

Dear customers, welcome to use U20 3D printer, which is an integrated modular product. This product needs to be installed after a few simple steps. After receiving the goods, please first check the packaging and the accessories whether they are in good conditions, secondly, please install as per the operating instructions step by step, if there is any doubt, please find the relevant answers in the materials, and you can also contact our after-sales staff in a timely manner. I wish you to use happy!

Before using the machine, be sure to read the following carefully:

### **1. User notes**

#### **1.1 Safety precautions**

Printer supplies, please use the original manufacturer recommended supplies, please do not use other manufacturers of supplies, so as not to cause nozzle clogging.

Please do not attempt to use this machine in any way that is not described in the instructions, to avoid accidental personal injury and property damage.

## **1.2 Choose proper placement**

This machine is suitable for ventilation, cool, dry and dusty environment, preference temperature is 25℃ room temp.

Pay attention to the heat dissipation of the printer, avoid placing on the thick carpet or close to the wall.

Do not place the machine near inflammable and explosive dangerous goods or high heat source.

Do not install the machine in a high vibration or other unstable environment.

Do not stack heavy objects on the machine.

## **1.3 Use the power supply in accordance with specification**

Please use the power cord supplied with the machine.

Please do not plug the power plug when your hands are wet.

Please use a qualified three-hole socket with ground wire.

Please do not deliberately pull, excessively twist of the machine wiring, to prevent open circuit or short circuit.

## **1.4 Note during the printing process**

The machine is equipped with an integrated hot bed heating plate. When using the function of heated bed , please do not set the heated bed temperature more than 60℃ to prevent burns.

Under the age of 10, do not use the machine without personnel supervision to prevent personal hurt.

Do not touch the nozzle during the printing process or finish printing to prevent burns.

Turn off the power switch, stop the printer working and contact your supplier immediately if occurs abnormal noise when printing.

Do product maintenance, regular cleaning and lubrication of machine.

Please clean the printer with a dry cloth and adhesive printing material.

Do not use flammable solvents if you must use a damp cloth to clean, to prevent flammable solvents from contacting the printer's internal circuitry to cause fire or electric shock.

### **1.5 Attention after printing**

Turn off the power in time after finish printing. You can clean up material with the help of remaining temperature, do not touch nozzle directly. Try not to scratch the heated bed when remove the model with a shovel. If you do not use the machine for a long time, please turn off the power supply and keep it dust proof.

## **2. Product specifications**

Printing size: 300\*300\*400mm

Machine size: 470\*575\*610mm

Packaging size: 635\*518\*290mm

Layer thickness: 0.1mm~0.4mm

Nozzle diameter: 0.4mm (0.2mm, 0.3mm available)

Printing speed:  $\leq 180$ mm/s, suggested 50-70mm/s

Printing material: 1.75mm PLA, ABS, Wood, Copper contained, etc.

Support format: STL, obj, G-code, JPG

3D Drawing Software: UG, Pro/E, 3D Max, Solidworks

Connection: USB or SD card

Printing precision:  $\pm 0.1$ mm

System: Linux, Windows, Mac

Machine weight: 10.6kg

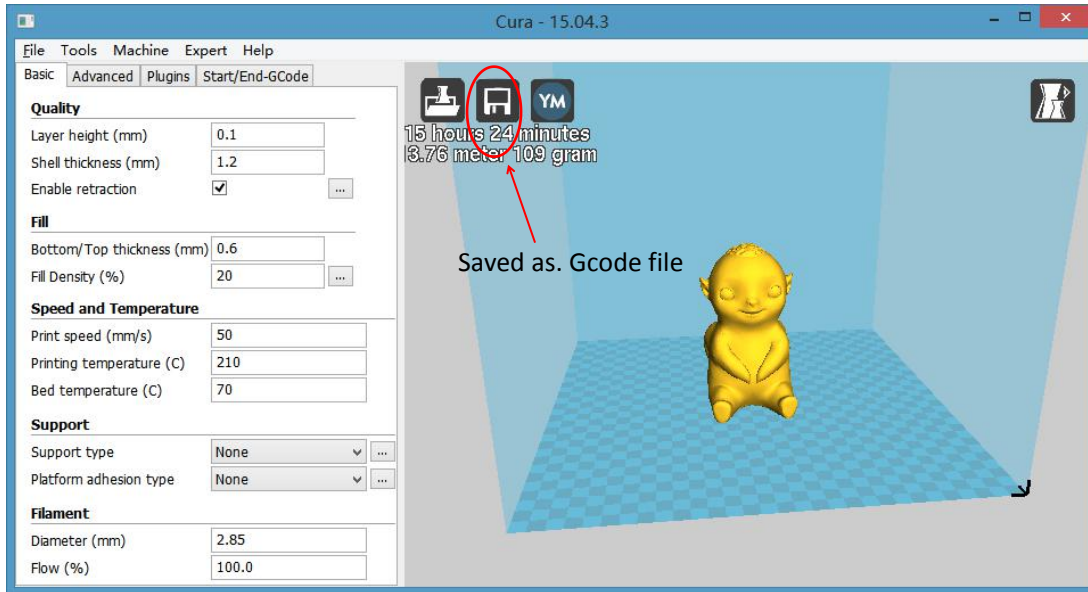
Gross weight: 14.2kg

## **3. Use procedure**

3.1 Open the package and check whether the accessories are in good condition and complete;

3.2 Refer to the machine installation instructions to complete the assembly of the machine (see instruction manual assembly tutorial);

3.3 Install the slicing software and slice it to generate an executable file (.gcode) (see the slicing software for details);



4.4 Insert the SD card, select the 3D model file need to be printed, and start printing.