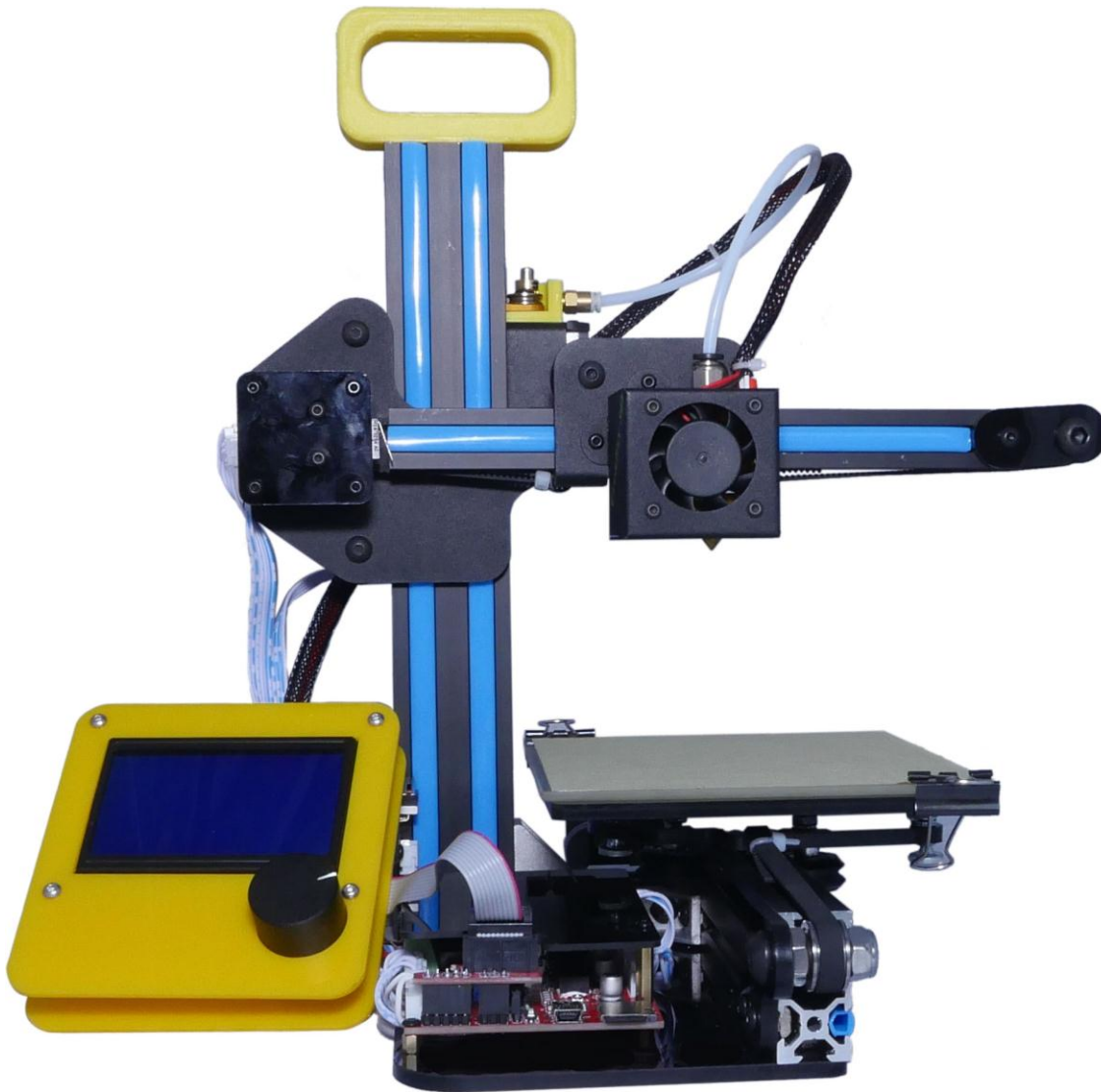


# FDM 3D printer Sunruy SR-D-022

The Worlds First Portable 3D Printer

Simplified structure. Portable so you can take it anywhere. Quality prints at breaking low price.



Sunruy 3d printer,take it with you anywhere!

From home, maker faire, maker space, lab and school classes.

# Features



## Portable

- Small size
- Light weight



## Reliable

- High resolution
- 10-hour aging before shipping



## Flexible

- USB/SD print
- Various filaments
- Battery compatible



## Simple

- v-slot slider structure
- easy setup
- One-button control
- LCD display



## Safe

- Enclosed nozzle head
- Non Pre-Heating Platform



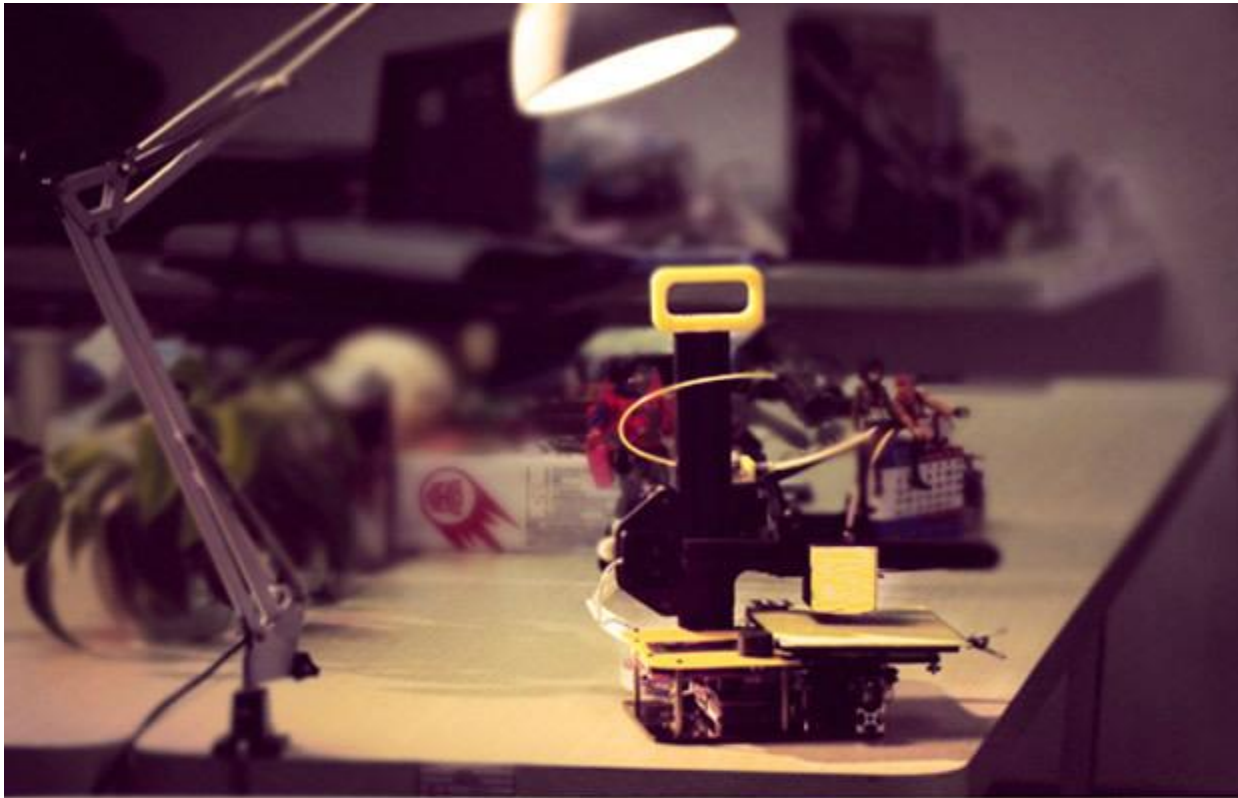
## Affordable

- \$260 limited time price

Take it wherever you want. The Sunruy 3D weighs 2.945kg and battery compatible. It is completely portable. Small enough to blend in with any table but large enough to unleash your creativity.

Less is more. Simplified extruded-aluminum beams to ensure sturdy and high-quality performance. The Sunruy3D employs v-slot slider system to provide precise seamless positioning.

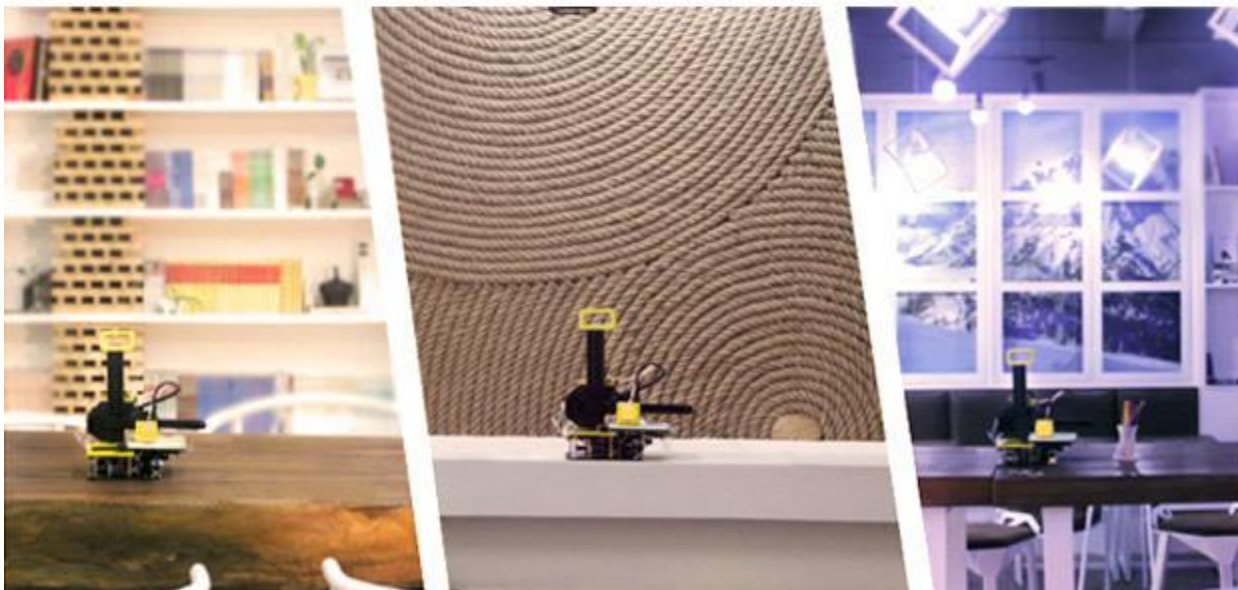
Quality prints on your desktop. Detailed layer resolution at fast speed. All-metal nozzle head allows PLA/TPU filaments of a rainbow of colors without easy breaks or damage. No pre-heating is needed. Simply feed the filament into the entrance path and the printer will do the rest.



## Our passion and vision

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is to make **Sunruy3D** reliable, affordable and portable.  
This urges us to take away all the complexities to achieve simplicity.  
However, we want high quality performance as well.  
It also makes no sense for us if sacrificing quality for cost.



As a result of the lightweight aluminum frame and sturdy extruder system,  
**Sunruy3D** is capable to produce fast and accurate prints.

## Portable

Nearly the same scale and lightweight as your laptop, it fits comfortably on any table whether you are in office, at home, coffee shop, school, etc.. The Sunruy3D is even quiet enough to print in a library. Unleash your innovation with an easy carry-around 3D printer like never before.

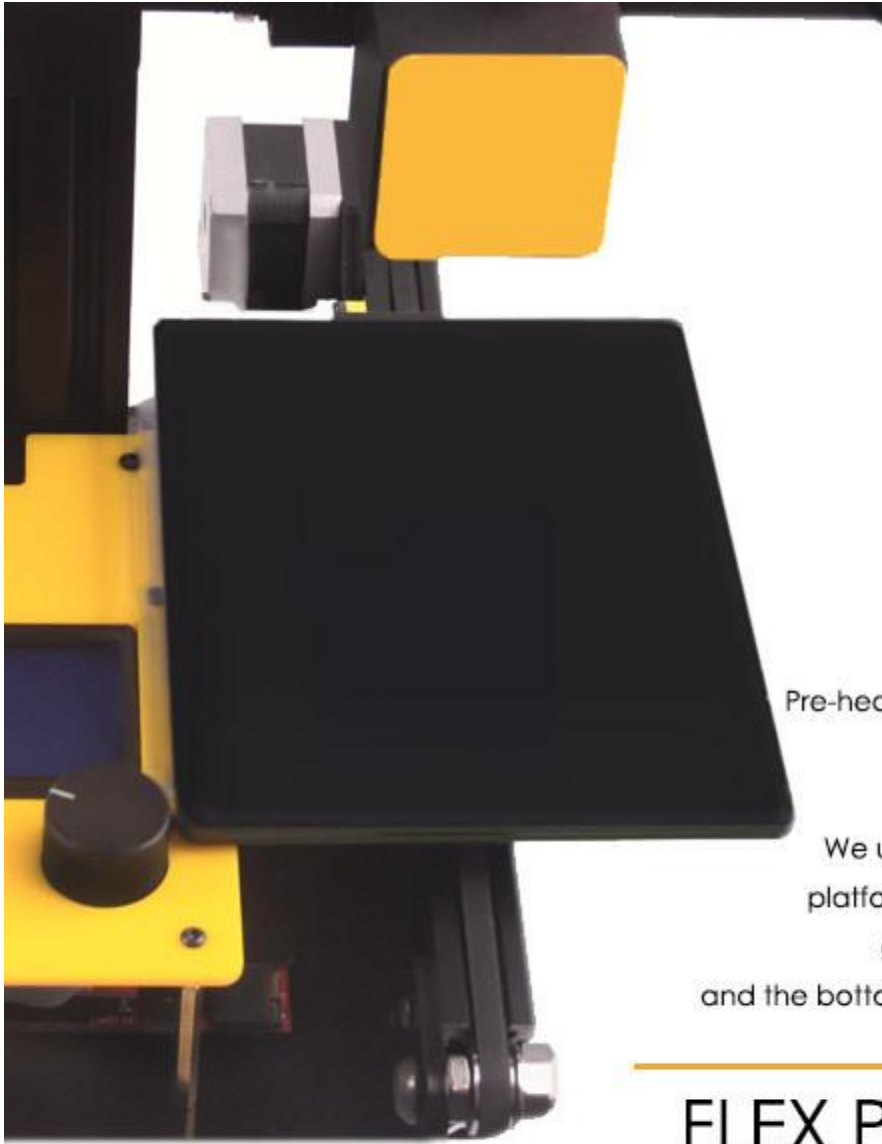


## Flexible

### SD card print

Print via USB or SD card. When using a USB cable, you connect Freaks3D to your computer. With 3D software on the computer, you just plug in the filament, check the settings and print.

Or you upload a file to the SD card and tell it to print from the SD card.



Pre-heating is not required to  
get your finished work.

We use specially-designed  
platform so that you plug to  
get the printing started  
and the bottom layers adhere fairly.

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## FLEX PRINT BED NO PRE-HEATING REQUIRED

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This eliminates the immediate risk or risk  
in the long term caused by excessive heating.



## RUNS WITH POWER BANK

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It is the only power bank compatible 3D printer, to the best of our knowledge.

What if an unexpected outage happens when it's printing ?

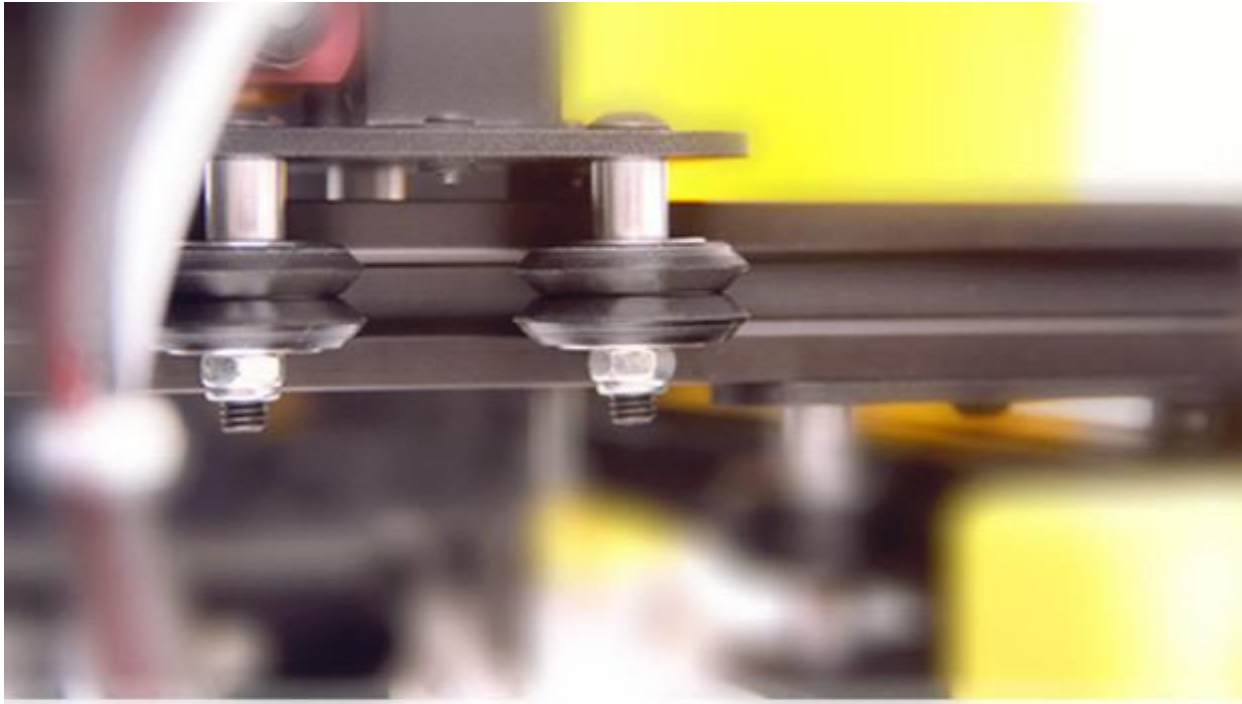
What if I want it print elsewhere other than at home/office ?

where electricity is accessible ? No problem! **Sunruy**3D works on battery power.

Connect two 9000mAh lithium batteries and you can have 2-hour continuous printing.

Creativity never ends.

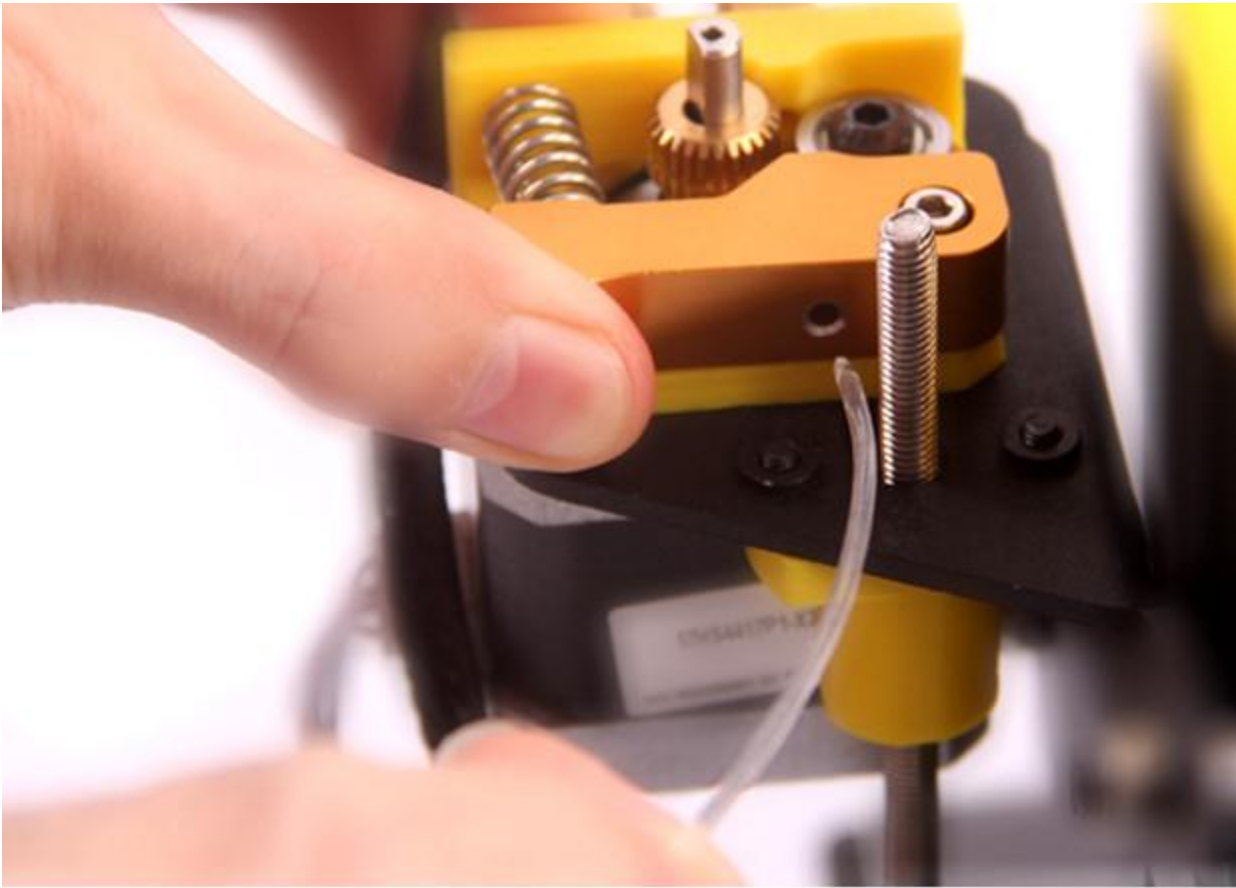
Reliable



## HIGH ACCURACY V-SLOT

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The *Sunruy* 3D uses extruded-aluminum beams to replace  
crazy heavy lasercut metal frame



## EASY

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Extruder system exposed to be easily tracked for feeding filaments

### Full LCD display

Operate Sunruy3D with ease visual and interactive LCD display. It is intuitive to monitor the system configuration while printing.

### Easy setup

Can Sunruy3D be assembled and printing in a couple of hours? Definitely. We provide patient and detailed setup instructions for you, normally the construction should take 2 hours or so. No soldering is required.

Consistency guaranteed with 10-hour aging before shipment



Every Sunruy3D will go through 10 hours aging before shipment to guarantee machine consistency and continuous high mechanical endurance.

# Specifications

## Technical

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### Print Technology

Fused Deposition Modeling

### Build Volume (LWH)

130 x 150 x 100 mm (5 x 6 x 4 in)

### Nozzle Size

standard 400 microns

### Layer Resolution

100 microns

### Filament Diameter

1.75 mm (0.069 in)

### Filament Compability

PLA, TPU

## Mechanical

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### Power

12V 8A power adapter, compatible with  
12v 5A power bank (battery excluded)

### Construction

V-slot aluminum beams frame, acrylic  
panel

### Build Surface

Non pre-heating plate with bluetape

### Stepper Motors

1.8° Step Angle with 1/16 Micro-Stepping

### Layer Resolution

0.1~0.4mm

### XY Resolution

0.05mm

## Size & Weight

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### Product Dimensions (LWH)

290 x 320 x 325 mm (11.4" x 12.6" x 12.8")

### Case Box (LWH)

360 x 300 x 160 mm (14" x 11.8" x 6.3")

### Product Weight

2.945 kg (6.5 lbs)

### Shipping Weight

4.8 kg (10.6 lbs)

## Electrical

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### Power requirements

100–240VAC; 50/60 Hz

### Connectivity

USB, SD

## Software

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### Source Programs

Cura, Repetier host

### File Type

stl, obj, G-Code

### Operating System

Windows, Linux, Mac, OS

## Materials

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### Filament Diameter

1.75 mm

### Filament Compatibility

PLA, TPU

## No Boundaries

Despite of all levels printers out there, we believe Sunrui3D can bring the technology to everybodys hands, ranging from hackers/makers like us, engineers, artists, architects, to housewives, teachers and children. And what can it print? Almost everything you can imagine. Tools, models, toys, decors, prototypes, jewels, smartphone case, household utensils, replacement parts, robotic cars, drones.... Even, it prints much finer results than we think.