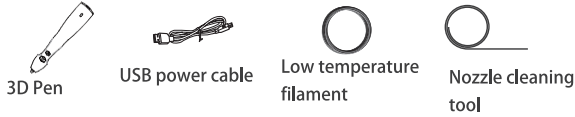


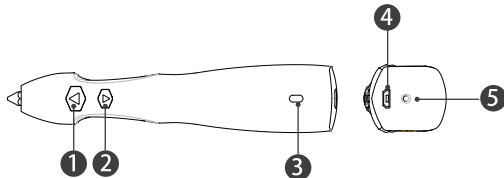


# 3D PEN 2.0 User Manual

## Structure Illustration



## 3D Pen Illustration



- |                   |                    |
|-------------------|--------------------|
| ① Load filament   | ④ USB power socket |
| ② Unload filament | ⑤ Filament loader  |
| ③ Indicator light |                    |

**LIGHT LEGEND :**  
White : Idle  
Red : Heating  
Green : Ready

## Specification

Print Technology:	Fused Deposition Modeling
Filament:	Low temperature filament
Filament Diameter:	1.75mm
Nozzle Diameter:	0.7mm
Heating Temperature:	90°C~100°C

## Specification

Operation Temperature:	15°C~32°C
Input Voltage:	DC 5V
Power:	5W

## Dimension

Product Dimension:	28*33*140mm
Product Weight:	50g

## Troubleshoot

### Nozzle clog and the filament cannot flow out?

- Long press button ① to increase the nozzle temperature;
- Once indicator light ③ change to green, insert the the Nozzle Cleaning Tool to the nozzle to clean the clogging repeatedly;
- Insert filament, press ① to check if the filament can flow out smoothly and continuously;
- If the filament flowing is still not ok, please proceed ① repeatedly or contact with after-sales service.



## After-Sales Service

Email 1: 3Dsupport@utec.com.mo  
Email 2: Support@colido.com



# Using Your CoLiDo 3D PEN

## Step1 Connect to Power

Connect the USB power cable on the top of CoLiDo 3D Pen 2.0 ④, and plug into power source. The indicator light ③ will turn white.

## Step2 Heat Up

Firmly press load filament button ①, the pen will takes ~1m to heat up. During that time the Indicator Light ③ will be RED and the pen cannot be use. Once the correct melting temperature is reached and the pen is ready, the Indicator Light will change to GREEN.

## Step3 Load Filament

Load the filament into the plastic loader ⑤ at the top of the pen, feed the filament down the tube until you feel the filament pulled through the driver gear on its own.

## Step4 Extrude Filament

Select the extrusion filament by pressing the button ①. To stop extruding plastic, press the button ① again. If the filament is used out, feed the new filament to continue use.

## Step5 Unload/Change Filament

- Ensure that the pen is still turned on at the heating temperature.
- Long press the unload filament ② the filament will unload automatically.
- When the filament stops pulling out reversly, you can pull it out gently.

## ⚠ Snip the melted filament

- After removing the filament from the pen, cut any partially melted filament before re-feeding. This will reduce any filament clogging issues.
- Do Not pull out the filament from the nozzle foreedly to avoid damaging the pen. Please refer to step5 to remove the filament.

## Step6 Power Off

Disconnect the USB power acable from the pen. Before power off, you must be sure that there is no residual filament remaining in the pen to avoid the nozzle clog.

## ⚠ WARNING!

### ⚠ BURN HAZARD!

- The Nozzle can become extremely hot during working. Do Not touch the nozzle or any melted plastic, or you may be burned!
- Do Not allow the nozzle near or in contact with flammable materials.
- Inform others in the area that the pen is hot and should not be touched.
- Allow the nozzle to cool completely after use and before storing. The hot nozzle may damage painted surfaces, plastics and cloth if left in direct contact with these materials.
- The Nozzle Cleaning Tool can become hot during using, need wear the protective gloves. Do Not touch after using to clean the pen, or you may be burned!
- If the pen is emitting black or brown smoke, stop using the pen immediately, unplug the pen, allow to cool and then store it away safely. Failure to do so will increase the risk of fire, please contact us immediately in such circumstances.
- Only used for the people over 12 years old. Keep out of reach of children.

### ⚠ Do Not use the pen near the water to avoid electric shock!

The pen should only be used with the filament approved by us. Misuse of the pen, setting the pen to wrong heating temperature, and/or use of non-approved filaments or other material may result in damage to the pen or injury to you, and will void your warranty. Injuries to the user may include, but are not limited to, harm sustained from inhaling substances that are not suitable for heating; or burns from flammable material used in the pen.

