## Accessory Checklist



PLA Filament 500g 1pc
Spool Holder 1pc
Long Spool Holder 1pc
Power Cable 1pc
USB Cable 1pc

Power Supply 1pc
Platform 1pc
Allen Key 1set
Flash Drive 1pc
Test Sheet 1pc
Tube 1pc

## Specification

### Printing

Print Technology: Fused Deposition Modeling
Construction Dimension: 130*130*130mm
Layer Resolution Setting: 0.1~0.4mm
Positional Accuracy: XY: 0.011mm
                        Z: 0.0011mm
Filament: PLA
Filament Diameter: 1.75mm
Nozzle Diameter: 0.4mm

### Mechanical

Frame: Acrylic
Platform: Engineering Plastic
XYZ Bearing: Steel
Stepper Motors: 1.8° step angle,
                       1/16 micro–stepping

### Electrical

Storage Temperature: 0 $^O$C ~ 32 $^O$C [32 $^O$F~ 90 $^O$F]
Operating Temperature: 15 $^O$C ~ 32 $^O$C [60 $^O$F~ 90 $^O$F]
Power: 60W
Rated Voltage: DC12V

### Dimension

Printer Size: 276*318*343MM
Package Size: 395*365*485MM
Net Weight: 7KG
Gross Weight: 10KG

### Software

Software package: REPETIER–HOST
File Type: .STL，.GCO
Operating System: WINDOWS, MAC OS
Connection: USB

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## Step1 — Install Filament Cartridge

1 Take out the filament.

2 Insert Spool Holder into the slot located at the back of the printer.

3 Mount the filament on the spool holder.
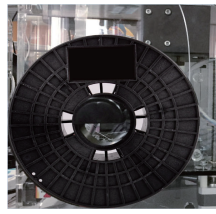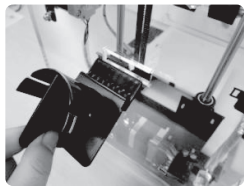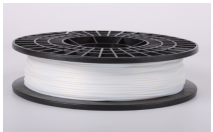
NOTE: The long spool holder is used to mount the filament with wider spool. Suggest that the filament net weight do not excess 500g.

4 Pull the filament and cut the filament tip flat using scissor for easy installation.
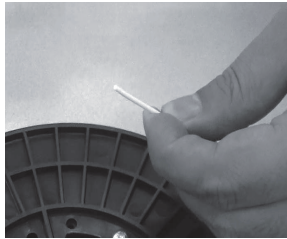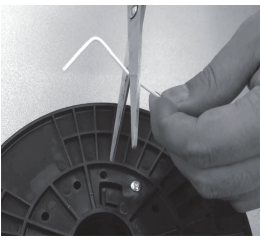
5 Insert the filament into the tube until it comes out from the other end of the tube. The tube with the filament cross the hole of the printer top door.
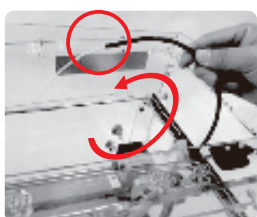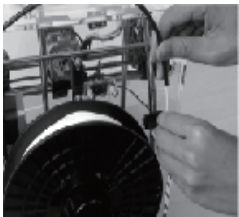
⚠ NOTE: Make sure that the filament is inserted into the tube properly to avoid the filament jam during operation.

6 Push down the printer head arm. Insert the filament into the hole located on the top of the printer head, push the filament until it reach the end of the nozzle.

Printer Head Arm

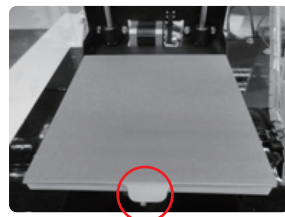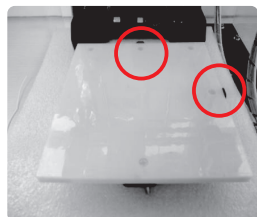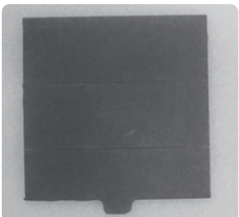7 Release the printer head arm. Insert the end of the tube into the printer head hole.
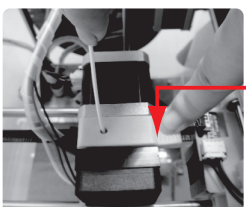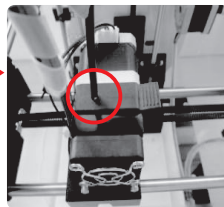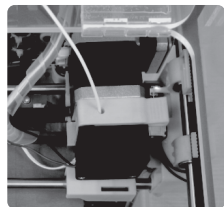
## Step2 — Install Platform and Power on Printer

1 Get the platform from the package.
Put the platform on the bed, the two sides of the platform are fixed by the small location clip.
Press the platform for good sticking and leveling on the bed.

⚠ NOTE: The platform orientation: the paper surface of the platform is facing top, the silicon surface of the platform is sticked to the bed. The platform holder must be facing front.

2 Connect the power supply to the printer, connect the power cable to the power supply and plug in.
Connect the printer to the computer using USB cable.
Power on the printer by switching to "I" position.
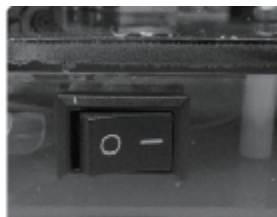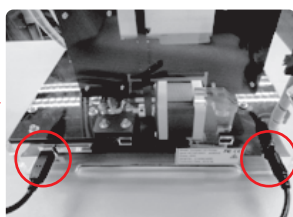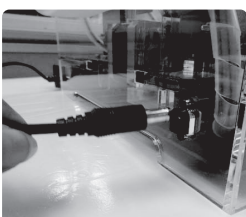
## Step3 — Install REPETIER–HOST

Computer Operation System：WINDOWS, MAC OS

⚠ REPETIER–HOST is a software which is used to convert the 3D models (.GCO .STL file) to the 3D printer command to print.

1 Find "setupCoLiDo–RepetierHost.exe" in the Flash Drive, double click to start inistallation.

2 Start to install. (The computer will ask "Do you want to allow the following program to make changes to this computer?" ,please click "Yes" to go ahead installing.)

3 Click "Install Arduino driver" , "Install FTDI serial driver" , "launch Print–Rite Repetier–Host" and then click "Finish" .

4 Click "Extract" to install the driver in the computer, click "Next" and "Finish" .
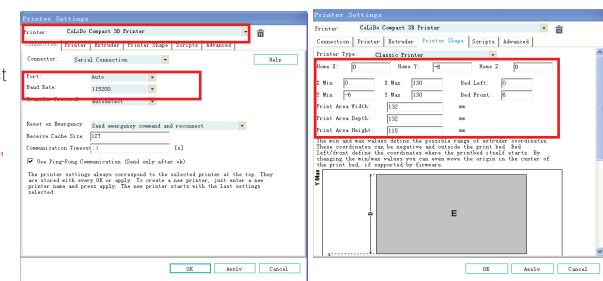
⚠ NOTE: The Repetier–Host version is depend on the shipped printer.

## Step4 — Setup REPETIER–HOST

1 Double click [icon] to go into "Repetier–Host" .

2 Click "Connect" , Click "Printer Settings" .

3 Select the "Printer:" to "CoLiDo Compact 3D printer" , check "Printer Shape" . Then click "Apply" and "OK" .
NOTE: Select "Port:" to the latest COMx, (COM1 cannot be selected). Baud Rate: 115200.

## Step5 — Printing Test

1 Connect Flash Drive in the accessory to the computer.

2 Click "Load" , select the "Test.GCO" file saved in the Flash Drive and open.

3 Click "Start Print" to print the test file. The printed test file as shown in the right picture.
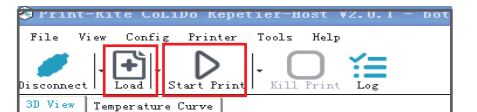
⚠ NOTE: When the printing is smooth and the filament sticking on the platform is good, the printer test is ok.
If the filament cannot stick on the platform or the nozzle damage the platform, please refer to FAQ in Flash Drive for troubleshoot, or contact with us by email 3Dsupport@utec.com.mo
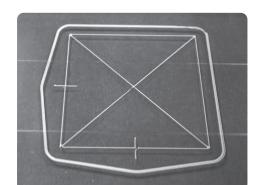
## Step6 — REPETIER–HOST Slice and Print

1 Click "Load" , select the .STL file to slice to .GCO file such the 3D printer can recognize and print.
⚠ NOTE: Make sure that the printer is connected with the computer.

2 Select the settings base on the print effect you want and the filament material you are using.

Print Settings:
CoLiDo Best→Print best model
CoLiDo draft→Print draft model
CoLiDo standard→Print standard model using PLA
CoLiDo standard ABS→Print standard model using ABS
CoLiDo support →Print model with support material
CoLiDo thin wall→Print the thinckness lower 2mm thin wall model

Printer Settings：Select "CoLiDo Compact 3D Printer"
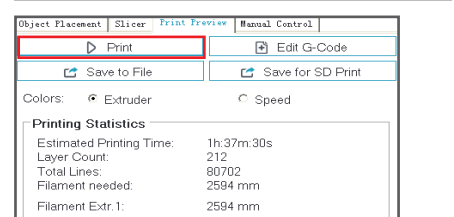Filament Settings – Extruder 1；Select "CoLiDo PLA_0"

3 Click "Slice with Slic3r" to convert to G–code.
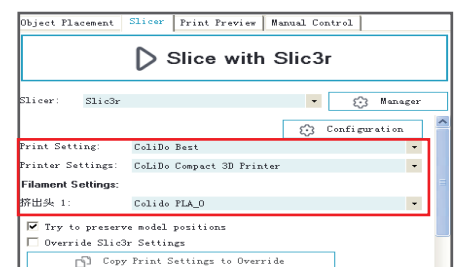
4 Click "Print" to start printing.
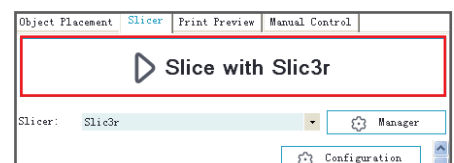
5 Finish the printing.
Remove the platform and warp a little to remove the printed object from the platform.

⚠ NOTE: If load the .GCO file which is sliced with CoLiDo Compact 3D printer, click " Print" to print directly.