

## Accessory Checklist

PLA Filament 50g		Test Sheet	
Flash Drive		3D printed sample	
Power Cable		Adhesive Tape	
Usb Cable		Power Supply	
Tools		Spool Holder	

## Specification

### Printing

Print Technology: Fused Deposition Modeling  
 Construction Dimension: DIA-130\*150mm  
 Layer Resolution Setting: 0.1~0.4mm  
 Positional Accuracy: XY: 0.011mm,Z:0.011mm

Filament: PLA  
 Filament Diameter: 1.75mm  
 Nozzle Diameter: 0.4mm

### Mechanical

Frame: Steel  
 Platform: Acrylic with adhesive tape  
 XYZ Bearing: Steel  
 Stepper Motor: 1.8°step angle,  
 1/16micro-stepping

### Software

Software Pageage: REPETIER-HOST  
 File Type: STL, .GCODE  
 Operation System: WINDOWS 7, MAC OS,  
 Connection: USB

### Dimension

Printer Size: 281\*254\*466mm  
 Package Size: 340\*340\*615 mm  
 Net Weight: 3.6 kg  
 Gross Weight: 6.3kg

### Electrical

Storage Temperature:  
 0 °C ~ 32 °C [32 °F~ 90 °F]  
 Operating Temperature:  
 15 °C ~ 32 °C [60 °F~ 90 °F]  
 Input Voltage: 220V 50/60Hz  
 Power: 30 W

## Step 1 Unpack and Power on

- 1 Take out the printer and all accessories inside the Printer box (Please refer to the Accessory Checklist).
- 2 Remove the Orange tape and foam, as Fig A. (3Plastic form)
- 3 Connect PC with printer via USB, as Fig B.
- 4 Insert the power cable into the power socket.



## Step 2 REPETIER-HOST Software Setup

Operation System: WINDOWS 7 and above, MAC OS, LINUX

REPETIER-HOST is a software which is used to slice the 3D models (.GCO or .STL) and command CoLiDo Printer to print.

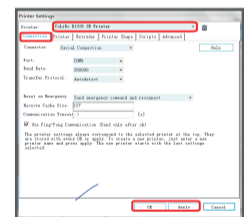
- 1 Find "setupPrint-Rite-RepelierHost.exe" in USB drive, double click to start.(The actual version of the software is regarding on the version inside of the USB driver.)
- 2 Start to install. Follow with hints to click "NEXT", if antivirus message appear, please allow.
- 3 Click "Install driver" and "launch Print-Rite Repelier-Host" and then click "Finish".
- 4 Click "Extract" to extract the driver packs. Install the driver software, follow with hints and click "Next", and then click "Finish".
- 5 Find the configure folder " Slic3r " in Flash Drive, copy it to the computer path: "C:\Users\\*\*\*\*\*\AppData\Roaming" as below. ("AppData" folder may be hidden in the computer. Please click "show hidden files, folders, and drivers" in "Folder Options" or search "Roaming" in computer).

## Step 3 Calibration

- 1 Double click on , enter into "Repelier - Host".
- 2 Click on "Printer Setting"



- 3 Select "CoLiDo D1315 3D Printer" and "COMx" (Note:COM 1 and Auto cannot be selected.). Then Click "Apply"and "OK".



NOTE: COMx dependant on different computer or 3D printer you are using. Different 3D printer has different COMx, which can be located and matched with COMx in Device Manager.

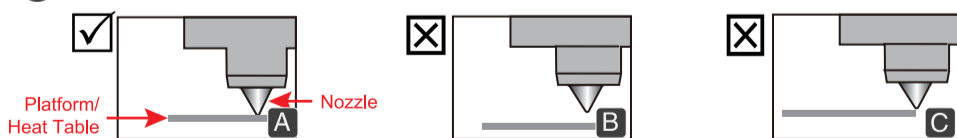
- 4 Make sure the platform surface is smoothly. There are 3 points need to be calibrated.



- 5 Connect printer with PC,click "Load" then select "Calibration.gco" file from USB drive.Click"Print" to start calibration.

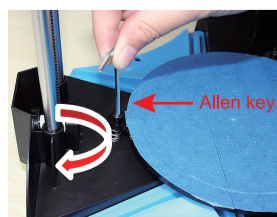
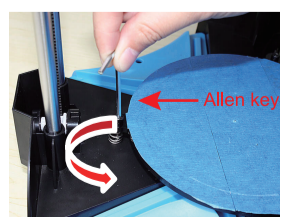


- 6 Place the test sheet between the nozzle tip and the platform to calibrate as Fig A~C.



Condition 1:As Fig.B,When there is a gap between the nozzle tip and the test sheet, rotate the butterfly nut counterclockwise by using Allen Key. Each turn is about 0.5mm.

Condition 2:When the test sheet is over the nozzle tip, rotate the butterfly nut clockwise by using Allen Key,Each turn is about 0.5mm.

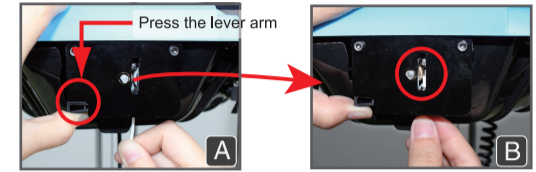


If you need more assistance, please feel free to contact with us:  
 Email: support@colido.com

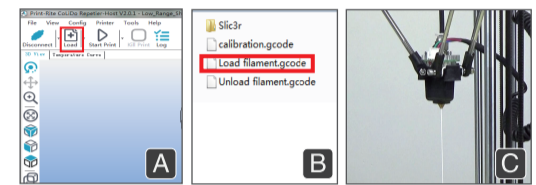


## Step 4 Install Filament

- 1 Push up the extruder arm,make the filament straight for easy installation and insert it into the bottom hole of the extruder until it comes out from the other end of the filament tube. Then release the extruder arm,as Fig.A.



- 2 Nozzle & Filament Test  
 Click "Load", select "Load filament.gco" file from USB drive. Click on the "Start Print" to start load filament. After reach the target temperature, the extruder will flow the filament automatically, as Fig.A~C.



Check the melted filament flow out condition.



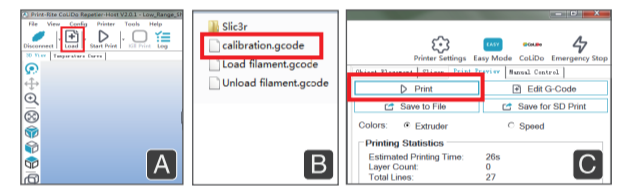
**Good condition:**  
 The melted filament flow out smoothly and continuously from the nozzle.



**Bad condition:**  
 The melted filament do not flow out smoothly and continuously from the nozzle.

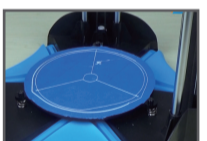
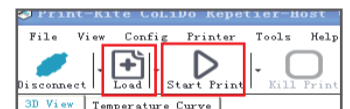
NOTE:If the flow of filament is in bad condition, heat up the nozzle until it reaches the setting temperature,Then press the print head arm and at the same time pull on the filament to extract it from the nozzle.Clean the nozzle using Allen Key in the accessory.

- 3 Change Filament  
 Click "Load" then select "Unload filament.gcode" file from USB drive. Click "Print" and start unloading test.



## Step 5 Printing Test

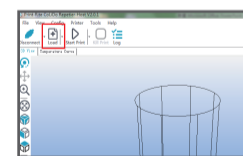
- 1 Connect Flash Drive in the accessory to the computer.
- 2 Click"Load", select the "Test.GCO"file saved in the Flash Drive and open.
- 3 Click"Start Print"to print the test file.  
 The printed test file as shown in the right picture.



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

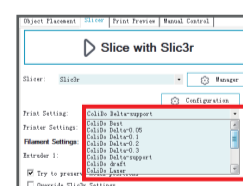
## Step 6 REPETIER-HOST Slice and Print

- 1 Click "Load" to select ".STL" file and use slice function to transfer it into ".GCO" file to start print.



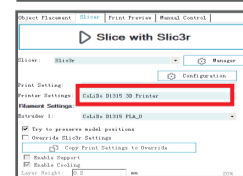
NOTE: Make sure the the printer and your PC is well connected before loading model file.

- 2 Select the print effect that you want to print,select "Printer Settings", "Filament Settings", "Extruder" base on the printer models and materials you are using.



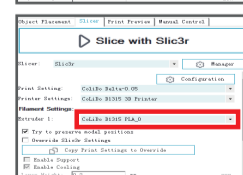
"Select the effect that you want to print.

ColiDo Delta-0.05 → Layer Thickness:0.05mm  
 ColiDo Delta-0.1 → Layer Thickness:0.1mm  
 ColiDo Delta-0.2 → Layer Thickness:0.2mm  
 ColiDo Delta-0.3 → Layer Thickness:0.3mm  
 ColiDo Delta Support → Support Mode



"Printer Setting"Select the corresponding model "CoLiDo D1315 3D Printer"

NOTE: Need to check the option "Try to preserve model positions"



"Extruder 1"Setting:Select CoLiDo D1315 PLA\_0

NOTE: The numbers in the options represent the setting temperature of the platform.

- 3 Click "slice with Slic3r"
- 4 Click "Start Print"to start.

