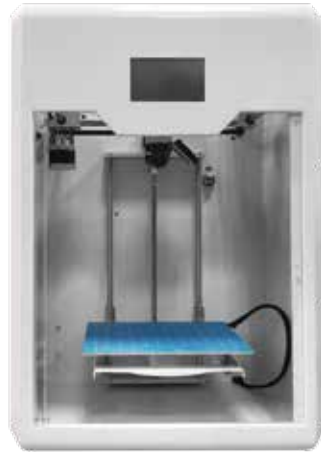# CoLiDo M2030 3D Printer Quick start guide

1. This instruction manual is made specifically for this 3D printer and it doesn't apply to other models.
2. Due to software & hardware upgrade the product may differ from the image. The actual product received will always be the reference product.
3. More detail instruction manual refer to the memory card.
4. Before using the machine, please copy the files in the memory card to the computer and empty the memory card before printing the file copy.

◘ Safety and Compliance

En este manual, el símbolo de alerta de seguridad se marcará en el inicio del mensaje de seguridad. El símbolo de alerta de seguridad significa riesgos de seguridad potenciales que pueden causar daño al usuario, a otras personas y perjudicar al producto y a su entorno.

Safety Alert Symbol

WARNING: HOT SURFACE, DO NOT TOUCH
Desktop 3D Printer has high temperature when working. Make sure the Desktop 3D Printer cool down before touching inside.

WARNING: HAZARDOUS MOVING PARTS, KEEP FINGERS AND OTHER BODY PARTS AWAY The moving parts of Desktop 3D Printer will possibly cause harm. Do not touch the Desktop 3D Printer inside when the printer is working.

WARNING: Make sure stand by Desktop 3D Printer when it working.

CAUTION: Be careful when using Print-Rite unapproved material, which may damage Printer and impact print quality.

CAUTION: Disconnect power plug from power socket during emergency.

CAUTION: Power socket must be located near the Printer and within reach.

CAUTION: Place Desktop 3D Printer in well-ventilated area as it will melt plastic and emit plastic odor when printing.

◘ Interference of Radio and Electromagnetism

The Printer has been tested and certified to comply with the restriction of FCC Part 15, which is related to Class B digital facility. The restriction is designed to provide reasonable protection against harmful interference in residential area when install the Printer. The Printer will generate, apply and radiate Radio Frequency Energy. If the Printer is not installed and used in accordance with the manual, it may cause harmful interference to radio communications. However, there is no warranty to the interference if the Printer is installed in a special environment. If the Printer does cause harmful interference to the receiver of radio or television, which can be determined by turning on and turning off the Printer, the user is suggested to adopt below one or more methods to eliminate the interference:
1. Change the orientation and location of the receiving antenna.
2. Increase the distance between the Printer and the receiving device.
3. Connect the Printer and the receiving device separately with two power sockets in different power supply circuit.
4. Get help from the dealer of the Printer or an experienced radio/ TV technician.
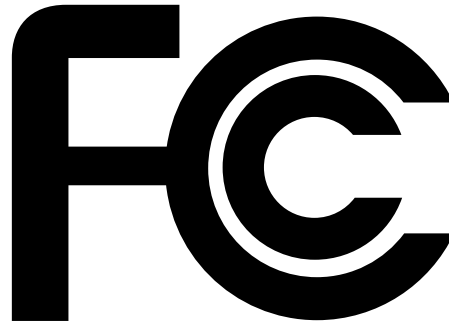
◘ Note

1. Please operate the Printer according to the instruction manual to avoid any personal accident and property damage;
2. Please DO NOT put the Printer near flames, explosives or heat sources. Keep the Printer in a well-ventilated, low-dust environment.
3. Please DO NOT place the printer on a vibrating or any other unstable surface when printing, the vibrations will cause poor print quality.
4. It is always recommended to use the manufacturer filaments to avoid nozzle clogging or Printer damage.
5. Please use the power supply provided in the accessory bag. DO NOT replace it with any other products. The power plug needs to be plugged into the correspondent 3-hole power socket.
6. Please DO NOT touch the nozzle or hot bed when the machine is printing, to avoid burns and any personal injuries.
7. Please DO NOT wear gloves or loose clothing when operating the Printer. As they could get caught in the moving parts and cause personal injury or Printer damage.
8. Please clean the nozzle after use before the nozzle temperature cools down completely, this allows the residual filament to be easily removed. DO NOT touch the nozzle directly to avoid burns.
9. Clean the Printer frequently only when the power is off. Clean the Printer machine with a dry cloth to remove dust, adhered printing materials etc.
10. Children under 10 years old should use the Printer under the supervision of an adult.
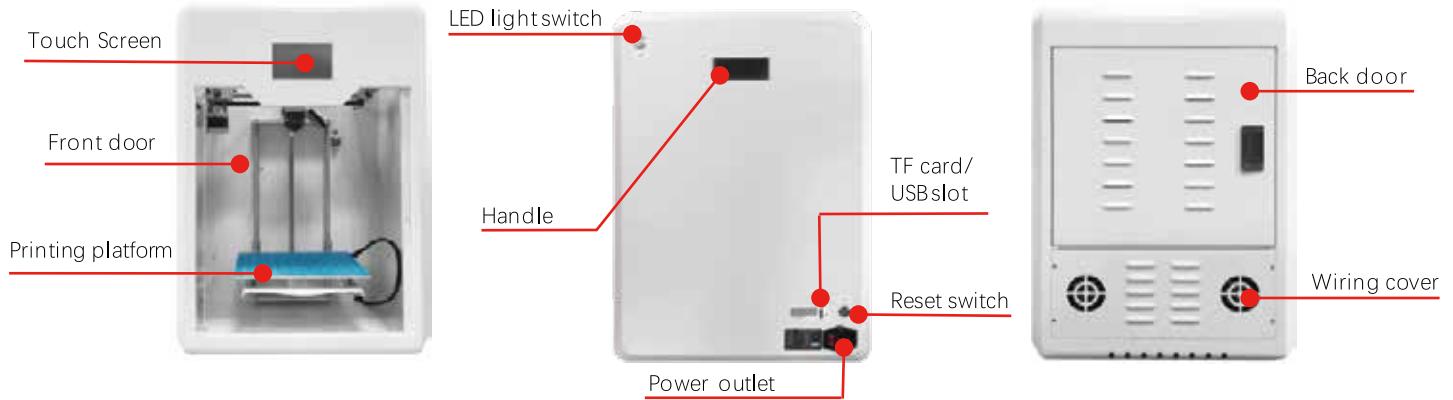
◘ Technical Parameters

Modeling technology: fused deposition manufacturing (FDM)
Overall dimension: 420X450X615mm
Molding size: 200X200X300mm
Nozzle aperture: 0.4mm (replaceable)
Printing accuracy: ±0.1mm
Supported consumables: PLA and ABS (diameter 1.75mm)
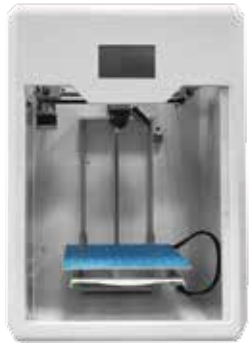Power specification: 115/230V, output 24V
Equipment weight: 25 kg

◘ Function

Resume after power off.
Material break detection.
Automatic feeding.
Auxiliary leveling.
Automatic Shut down.

▢ Introduction

Touch Screen

Front door

Printing platform

LED light switch

Handle

TF card/ USB slot

Reset switch

Power outlet

Back door

Wiring cover

▢ Check List

Machine

Toolbox

No	Accessory	QTY	No	Accessory	QTY
1	Spare parts (pneumatic joints, nozzles)	1	7	TF card and card reader	1
2	Teflon tube	1	8	Black tie	1
3	Needle	1	9	Solid glue	10
4	Wrench kit	1	10	USB data cable	1
5	Diagonal pliers	1	11	Power cable	1
6	Shovel	1	12	Filament/PLA	1

▣ Boot information

Printing（Model list）

boot screen

Card Removed
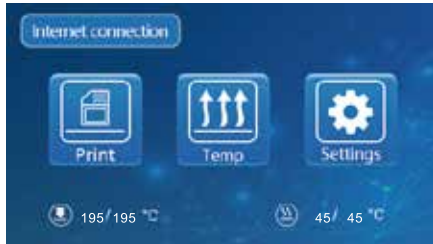
Temperature setting

Automatic temperature setting：heats automatically to the preset temperature according to selection.
Manual temperature setting: Set target temperature manually.
Cooling
Fan：Manually control the operation of the fan.

Setup

Leveling mode: automatic platform adjust-ment mode
Loading: insertion or extraction of the filament.
Move: Move each axis and return to zero.
Disable motor: Turn off the stepper motor control.
Language: Language selection.
Printer information: Equipment specifica-tions, models and parameters.

Printing interface

Adjustment

1. Pause printing (recoverable)
2. Stop printing (Non-recoverable)
3. Printing Progress
4. Bed temp/Preset temp
5. Nozzle temp/Preset temp
6. Status
7. Model name (letter, number)
8. Eco (energy saving mode)
9. Printing Time
10. Printing Progress bar
11. Adjustment options
12. Background

Z-aixs Compensation: Z calibrate manually (for expert user)
Print speed: Adjust print speed (100 is the slicer speed)
Energy saving: Automatically shut down hot bed after certain period of inactivity
Fan: ON/OFF fan (Turn off the fan when printing ABS or special materials)
Nozzle temp: Adjust nozzle temperature
Hot-bed temp: Adjust hot bed temperature

◻ Feeding the Filament

1. Preheat Nozzle

Click first on automatic temperature setting to preheat the nozzle.
PLA approx. 200℃， ABS approx. 240℃。

Material break detector switch

Cut the end of the filament diagonally with pliers and pass it through the material break detector switch, press the clamp with your fingers and insert the filament into the extruder. When the filament passes through the extrusion gear, press "Feed". When the filament comes out of the nozzle it means that it has been loaded. Note that, as the machine was tested before leaving the factory, there may be residues of filament left in the nozzle, which may not match the color of the material you want to use. It will be sufficient to push out a short piece of filament to extract the residues, after which it will be possible to continue with the desired color.

1. Feeding

10. 0
10. 0
195 / 195
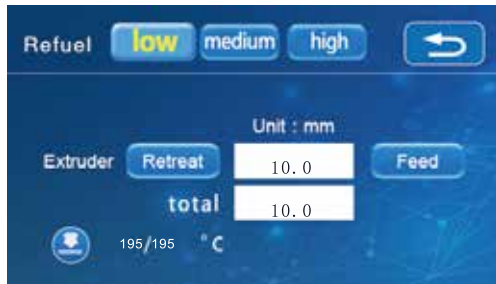
Touch "Refuel" to change filament, push the filament to extrusion clip, then touch "Feed".
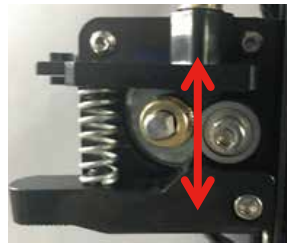
Extruder

Tips: How to change filament?
When need to change filament, you have to raise the nozzle temperature to 200℃ first. In "Refuel" option, touch "Retreat" and then the filament will exit automatically. After that, touch "Feed" to load a new filament.

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⬜ Leveling

1. Click "Move" to move the axis and "Home" to return to zero. Wait for each axis to return to the origin, then proceed to the next step.
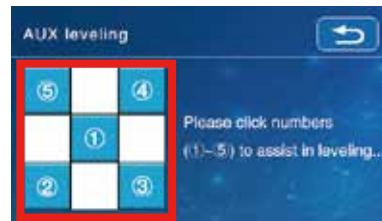
2. After each axis returns to zero, click "Leveling", then touch point "1" and, after the nozzle moves to the corresponding position, click point "2". Then move the nozzle to point "3", point "4" and point "5".

3. When nozzle moves to point 1,2,3,4,5, turn the leveling nut to adjust the position of the printing platform so that the distance between the platform and the nozzle is about 0.05mm. By placing an A4 paper between nozzle and platform, you should notice the nozzle making scratch on the paper.
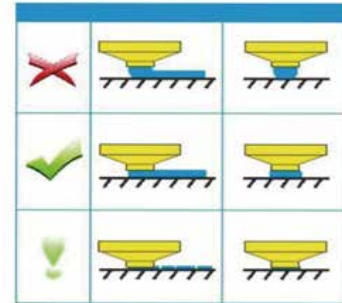
4. Repeat step 1, 2 & 3 if necessary.
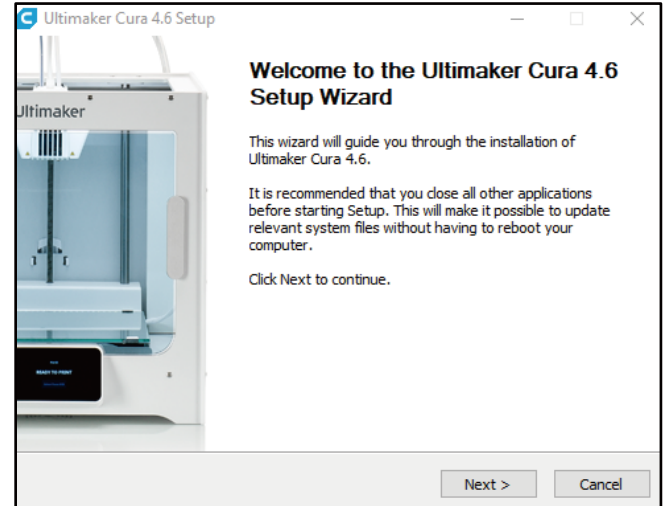Detailed leveling tutorial can be found in the memory card. Please read it before leveling.

▣ Software installation

1. Double click "installer"
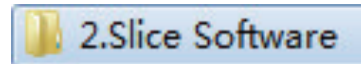

Ultimaker_Cura
-4.6.0-win64

After running the installation package, follow
the steps to install. (Note that the installation
directory needs to be named in English)

2. Run Cura slicer

UI and models selection
Instructions of Slicer, refer to"Slice Software"-
folder

2.Slice Software

◘ The first print

1. Slicing

Open Cura Slicer → open (read model file) → select file → click slice → save to file (save to memory card)

Note: 1. The number of printed files in the memory card should not exceed 20.
2. Do not put other files except gcode file. Otherwise the machine may run unstable or print failure.

2. Printing

Insert TF card→Click Print →Select the storage card→ File Name

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Vis í tanos en www.colido.es
Email：info@colido.es

Nota: Las imágenes y la información de los productos en el manual son solo para su referencia y pueden no reflejar los productos reales. Este producto está sujeto a cambios sin previo aviso.

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