

SOVOL



SV06

User Manual

EN

DE

IT

FR

ES

JP



V1.0



Thank you for choosing Sovol printers! Sovol is committed to providing excellent machines to 3D printing enthusiasts all over the world .This manual is designed for SV06 owners to start their SV06 printing journey.We still recommend all the SV06 owners to read the manual carefully even if you are familiar with the 3D Printing technology, as there are lots of important information about the SV06 for you to learn and help you get better printing experience .In this manual there are some tutorials can be found on official website and group you can scan the QR-codes.



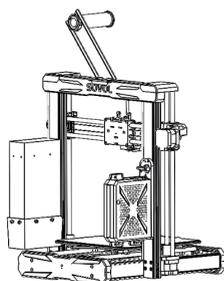
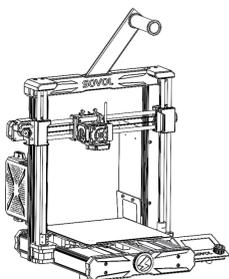
sovol support group



sovol official website

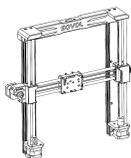
- Do not use the printer any way other than described here in order to avoid personal injury or property damage.
- Do not place the printer in the environment with large vibration or other instability. The shaking of the machine will affect the printing quality of the printer.
- Please do not place the machine in inflammable and explosive materials or near high heat source.
- Please place the machine in a ventilated, cool and dust free environment.
- It is recommended to use the material recommended by the manufacturer to avoid machine damage.
- Do not use any other power cable except the one supplied. Always use a grounded three-prong power outlet.
- Please do not open the plastic cover during usage, otherwise the printing will be interrupted.
- Do not wear cotton gloves when operating the printer. Such cloths may become tangled in the printers moving parts leading to burns, possible bodily injury, or printer damage.
- Please wait a moment to remove the print after the print is finished.
- It's not recommended to use the third party firmware or mainboard etc, or the warranty will be void.
- Clean the printer frequently. Always turn the power off when cleaning, and wipe with a dry cloth to remove dust, adhered printing plastics or any other material off the frame, guide rails, or wheels. Use glass cleaner or isopropyl alcohol to clean the print surface.
- Children under 10 years should not use the printer without supervision.
- This machine is equipped with a security protection mechanism. Do not manually move the nozzle and printing platform mechanism manually while booting up, otherwise the device will automatically power off for safety.
- Users should comply with the laws and regulations of the corresponding countries and regions where the equipment is located (used), abide by professional ethics, pay attention to safety obligations, and strictly prohibit the use of our products or equipment for any illegal purposes. Sovol will not be responsible for any violators' legal liability under any circumstance.

1 Equipment Parameters

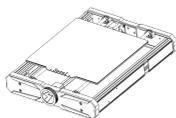


| | |
|--------------------------|-----------------------------------|
| Model | SV06 |
| Software language | English |
| Print method | TF card,USB connection |
| Molding | FDM |
| Number of nozzles | 1 |
| Print size | 220*220*250mm |
| Recommend Printing speed | ≤80mm/s |
| Printing accuracy | ±0.1mm |
| Nozzle diameter | 0.4mm (Adjustable) |
| Nozzle temperature | ≤300°C |
| Hotbed temperature | ≤100°C |
| Supporting materials | PLA/ABS/PETG/TPU/WOOD |
| Material diameter | 1.75mm |
| Support file format | G-code |
| Voltage | Input:115/230V 50/60HZ Output:24V |
| Operation system | Windows,Linux,Mac |
| Power | 360W/24V |

2 Package List



Gantry



Base



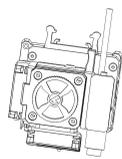
Control box



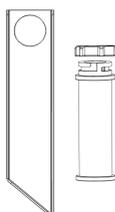
Power



Display



Extruder kit



Filament holder

Tool Box



Power cable



Zip Tie



Wrench toolkit



Spare Nozzle



Diagonal pliers



Nozzle Cleaner Needle



Spatula



TF card/Card reader



M5X50*4



M4X20*2



M3X5*3

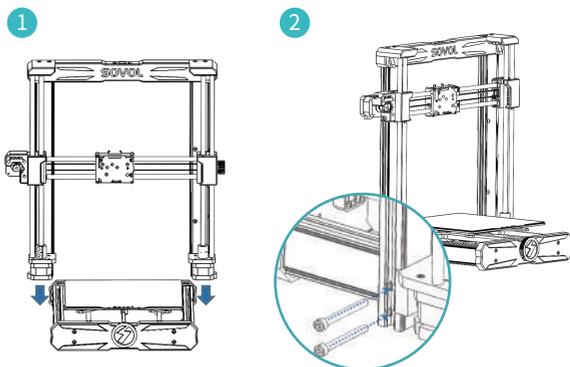
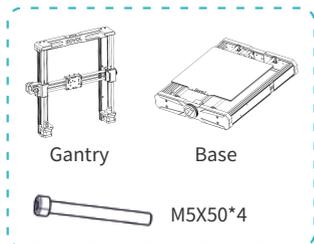


M5X10*2

3 Assembly

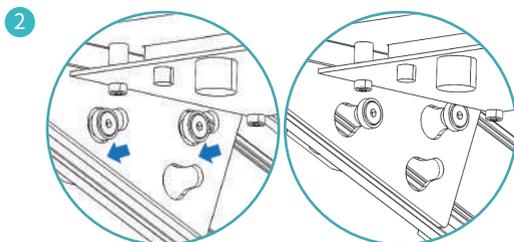
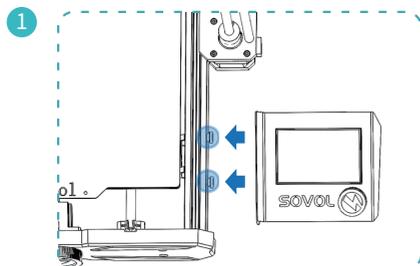
3.1 Install the gantry

- 1 Install the gantry on the base with four M5X50 screws, tighten the screws.



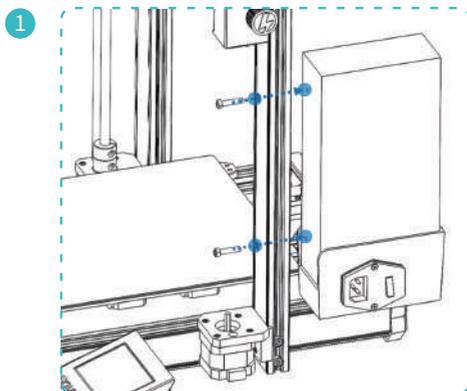
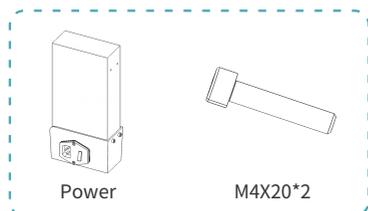
3.2 Install the display

- 1 Install the display on the ● holder on the right of base.
- 2 Push it down diagonally to let it stuck on the holder.



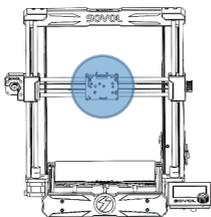
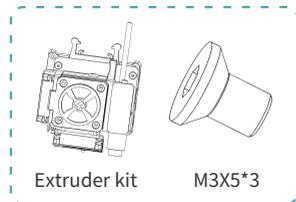
3.3 Install the power supply

- 1 Install the power supply on the right profile of the machine gantry with two M4X20 screws, tighten the screws.

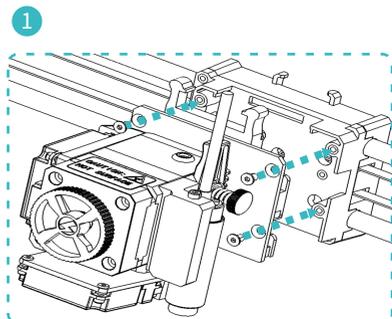


3.4 Install the extruder kit

- 1 Install the extruder kit on the slide base with three M3X5 screws, tighten the screws.

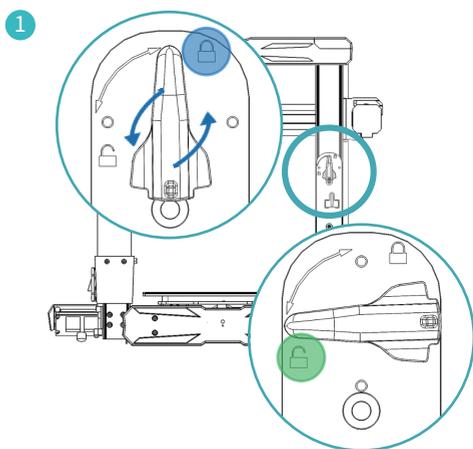
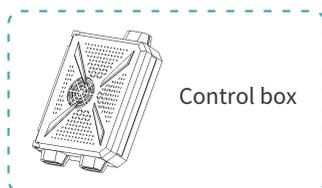


Install It Here



3.5 Install the control box

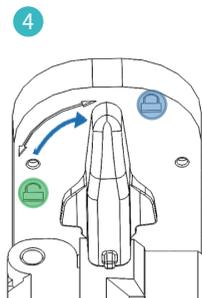
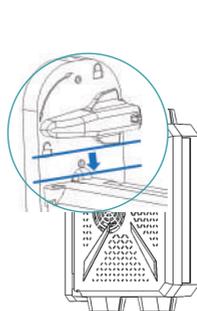
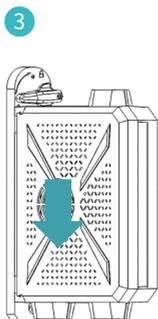
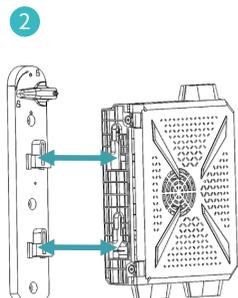
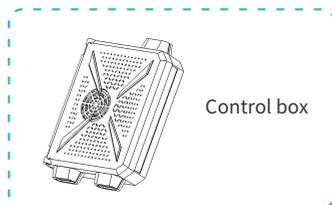
- 1 Please turn the aircraft switch on the control box hanging plate to the left from the  locked state to the  unlocked state.



- 2 Install the control box on the hanging plate.

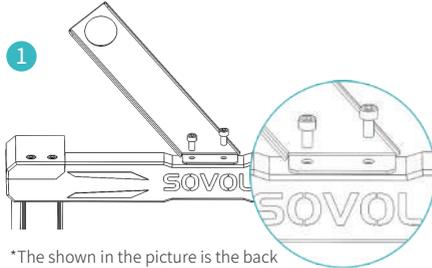
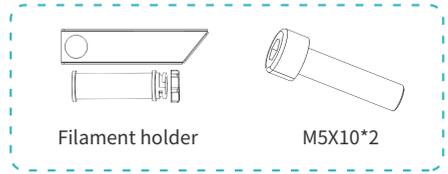
- 3 Press the entire control box down to let it be locked on the hanging plate.

- 4 Re-rotate the aircraft switch to the  locked state.

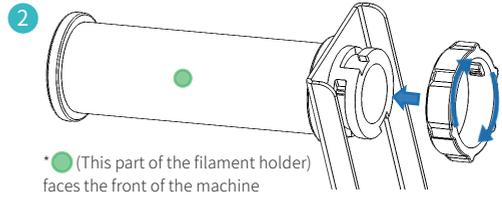


3.6 Install the filament holder

- 1 Install the filament plate on the top of the machine with two M5X10 screws.
- 2 Install the filament holder.

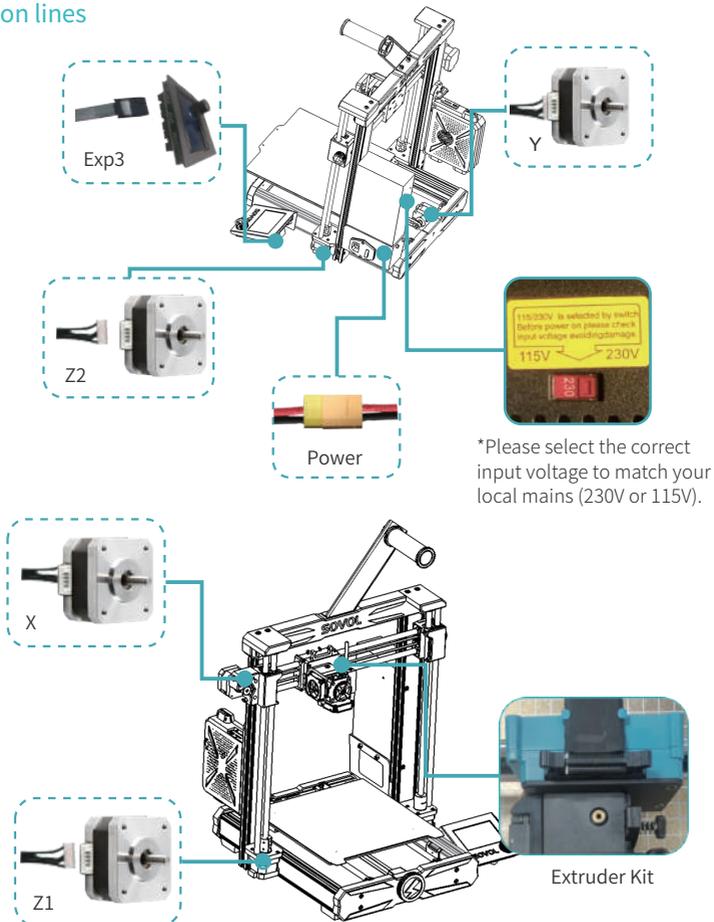


*The shown in the picture is the back of the machine, when the back of the machine is facing you, the filament holder is facing to the left



* (This part of the filament holder) faces the front of the machine

3.7 Connection lines



*Please select the correct input voltage to match your local mains (230V or 115V).

4 Screen information

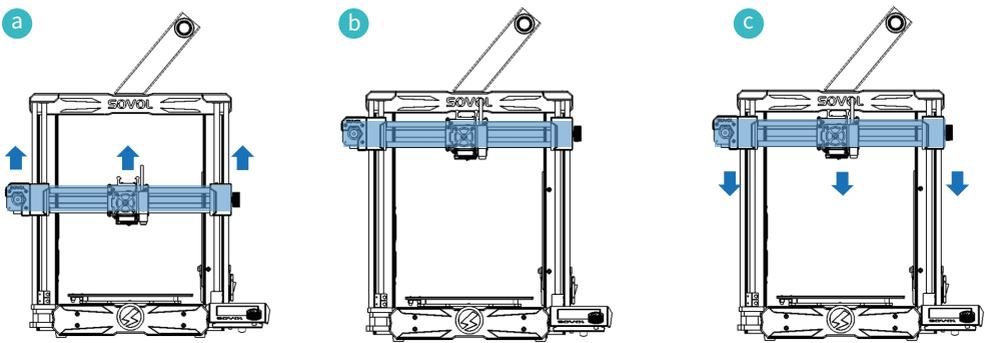
| Info Screen | | | | | |
|--|--|---|-----------------|---------------|------------------|
| Prepare | Bed Leveling | Configuration | Change filament | About Printer | Print from Media |
| Auto Home Move Axis <ul style="list-style-type: none"> Motion <ul style="list-style-type: none"> Move Axis Move 10mm Move 1mm Move 0.1mm Move X <ul style="list-style-type: none"> Move Axis Move 10mm Move 1mm Move 0.1mm Move Y <ul style="list-style-type: none"> Move Axis Move 10mm Move 1mm Move 0.1mm Move Z <ul style="list-style-type: none"> Move Axis Move 10mm Move 1mm Move 0.1mm Move Extruder <ul style="list-style-type: none"> Move Axis Move 10mm Move 1mm Move 0.1mm | Auto Home Probe Z offset Level Bed Auto Z-Align | Advanced Settings <ul style="list-style-type: none"> Set Home Offsets Velocity Acceleration Jerk Probe Offsets Steps/mm TMC Drivers PID Settings Filament Store Settings Initialize EEPROM | | Printer Info | |
| Temperature <ul style="list-style-type: none"> Nozzle Bed Fan Speed Preheat PLA Conf <ul style="list-style-type: none"> Fan Speed Nozzle Bed Store Settings Preheat ABS Conf <ul style="list-style-type: none"> Fan Speed Nozzle Bed Store Settings | M48 Probe Test Fade Height | Sound <ul style="list-style-type: none"> On Off | | Thermistors | |
| Preheat PLA <ul style="list-style-type: none"> Preheat PLA Preheat PLA End Preheat PLA Bed | Load Settings | | | | |
| Preheat ABS <ul style="list-style-type: none"> Preheat ABS Preheat ABS End Preheat ABS Bed | Store Settings | Restore Defaults | | | |
| Disable Steppers | | | | | |

5 Leveling

5.1 Leveling-1

| | | | |
|-----------------|---|----------------|---|
| Info Screen | ↑ | Main | ↑ |
| Prepare | + | Auto Home | |
| Bed Leveling | + | Probe Z Offset | + |
| Configuration | + | Level Bed | |
| Change Filament | + | Auto Z-Align | |

- 1** Press the knob> Main →
Bed Leveling→Auto Z-Align



The machine will auto-home first, then the entire X-axis will rise to the top for calibration, then descend to auto-home.

5.2 Leveling-2

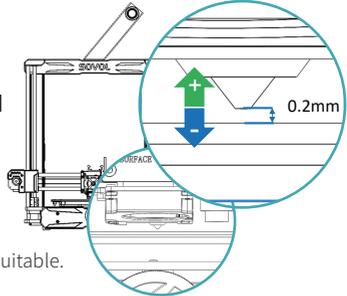


2 Click the Bed Leveling→Auto Home(Preheat)→Auto Home

After clicking Auto home for the first time, the machine will be preheated automatically: nozzle 120°C, hotbed 60°C. After the temperature is reached, click Auto Home again to process.

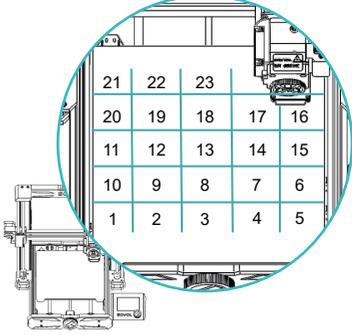
3 After the machine stops, go back and click Probe Z offset to adjust the distance between the nozzle and the hot bed

After adjusting, don't forget to click to store the settings.



About 0.2mm, the thickness of a sheet of A4 paper,when you drag the paper, the nozzle can scratch the paper slightly, that means the distance is suitable.

5.3 Leveling-3

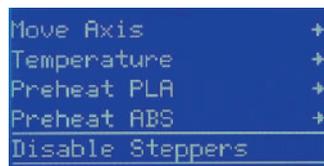
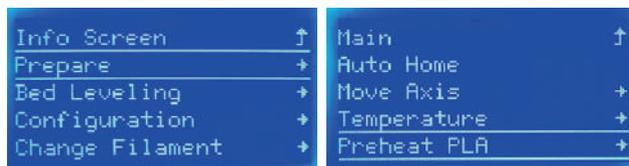


After clicking on Level Bed, the nozzle will rise to 120°C, and the hot bed will rise to 60°C, please be patient and be careful of burns.

After adjusting, don't forget to click to store the settings.

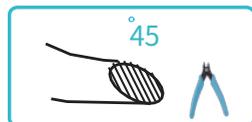
4 then click the level bed, the machine starts to detect at 25 points on the hot bed.

6 Load filament

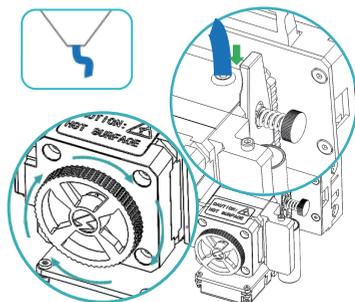


1 Click Prepare→Preheat PLA/ABS

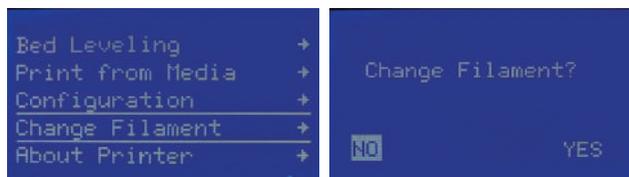
2 When the temperature rises to the target temperature, cut the front end of the filament to a 45° bevel, then insert it into the feed port for about 20mm, and turn the wheel clockwise until you see the filament coming out of the nozzle.



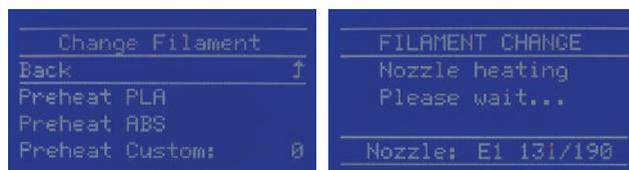
If you feel resistance when turning and it is difficult to turn, please unlock the motor. Steps to unlock the motor: click Prepare → Disable Steppers



7 Change filament



1 Press the knob>Main → Change Filament → Yes



2 Select the option according to the type of filament you are using, you can also select Preheat Custom to set a temperature. After selecting, please wait for the temperature to rise.

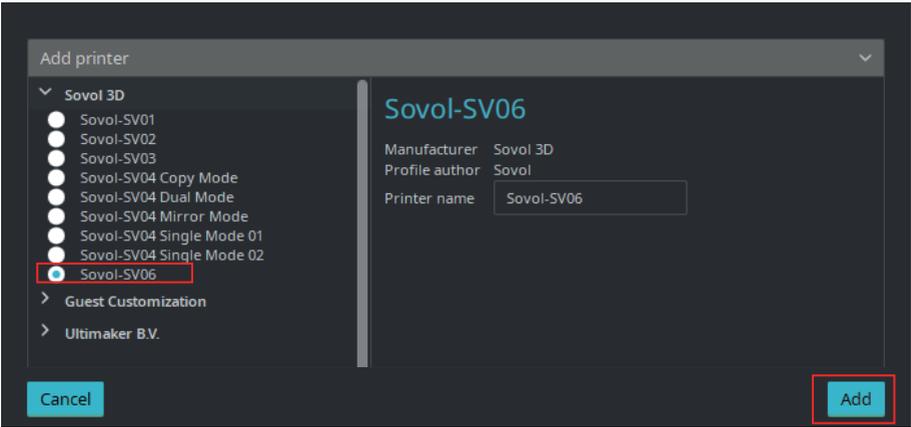
3 Waiting for the target temperature to rise, the filament will withdraw automatically, then insert new filament to start printing.

8 Preparing to printing

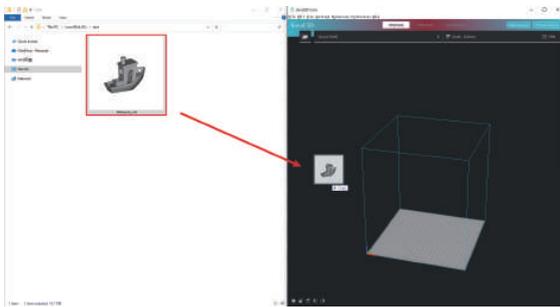


Sovol3D_Cura-1.5.0-win64

1 Double-click to install Sovol-Cura in the TF card file.

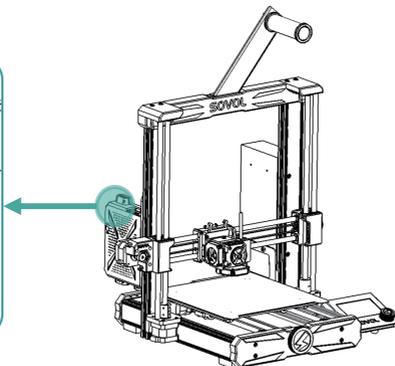
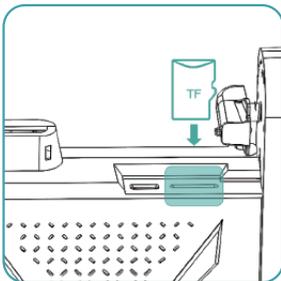
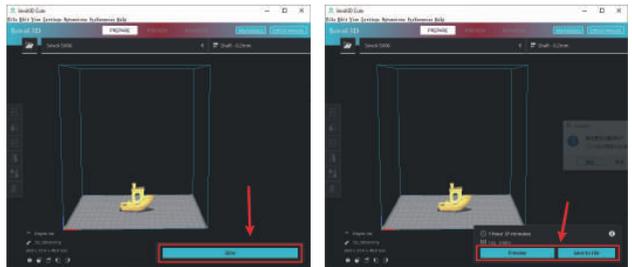


2 Select to add SV06.



3 Select the model you want to print and open

4 Slice and save the file to TF card



5 Insert the TF card into the card slot above the mainboard box of the machine

```

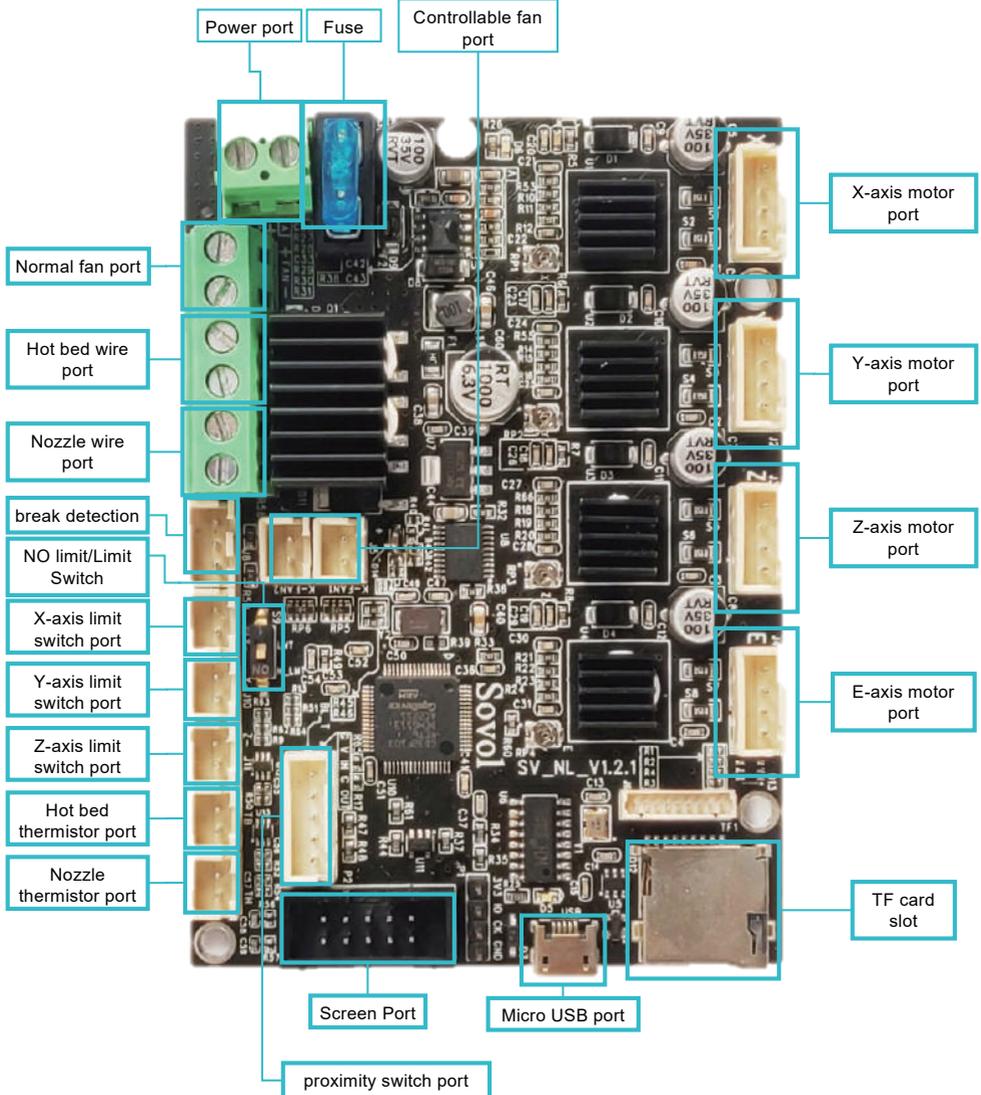
Bed Leveling      +
Configuration     +
Change Filament  +
About Printer     +
Print from Media  +
  
```

```

Main      ↑
3Dbenchy.gcode
  
```

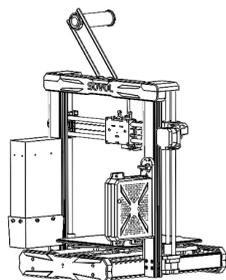
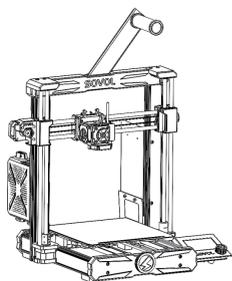
6 Click “Print from media” → Select file to print

9 Mainboard



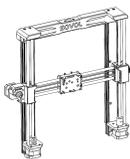
- Verwenden Sie den Drucker nicht auf andere Weise als hier beschrieben, da dies zu Verletzungen oder Sachschäden führen kann.
- Stellen Sie den Drucker nicht in einer vibrierenden oder anderweitig instabilen Umgebung auf. Das Schütteln des Geräts kann die Druckqualität des Druckers beeinträchtigen.
- Stellen Sie das Gerät nicht in der Nähe von entflammaren oder explosiven Stoffen oder in der Nähe von starken Hitzequellen auf.
- Bitte bewahren Sie das Gerät in einer belüfteten, kühlen und staubfreien Umgebung auf.
- Es wird empfohlen, das vom Hersteller empfohlene Material zu verwenden, um Schäden an der Maschine zu vermeiden.
- Verwenden Sie kein anderes als das mitgelieferte Netzkabel. Verwenden Sie immer eine geerdete, dreiphasige Steckdose.
- Tragen Sie bei der Bedienung des Druckers keine Baumwollhandschuhe. Solche Stoffe können sich in den beweglichen Teilen des Druckers verfangen, was zu Verbrennungen, Verletzungen oder Schäden am Drucker führen kann.
- Bitte warten Sie einige Augenblicke, um den Ausdruck nach dem Drucken zu entfernen.
- Die Verwendung von Firmware oder Motherboards von Drittanbietern usw. wird nicht empfohlen, da dies zum Erlöschen der Garantie führt.
- Reinigen Sie den Drucker häufig. Schalten Sie das Gerät beim Reinigen immer aus und wischen Sie mit einem trockenen Tuch anhaftenden Staub, bedruckten Kunststoff oder andere Materialien von Rahmen, Schienen und Rädern ab. Verwenden Sie Glasreiniger oder Isopropylalkohol, um die Druckoberfläche zu reinigen.
- Clean the printer frequently. Always turn the power off when cleaning, and wipe with a dry cloth to remove dust, adhered printing plastics or any other material off the frame, guide rails, or wheels. Use glass cleaner or isopropyl alcohol to clean the print surface.
- Kinder unter 10 Jahren sollten den Drucker nicht unbeaufsichtigt benutzen.
- Bewegen Sie den Druckkopf und den Druckplattformmechanismus während des Druckvorgangs nicht von Hand.
- Die Benutzer müssen die Gesetze und Vorschriften des Landes und der Region einhalten, in der sich die Ausrüstung befindet (verwendet wird), sie müssen die Berufsethik und die Sicherheitsverpflichtungen einhalten, und es ist ihnen strengstens untersagt, unsere Produkte oder Ausrüstung für illegale Zwecke zu verwenden. Sovol kann unter keinen Umständen für einen Verstoß haftbar gemacht werden.

1 Parameter der Ausrüstung



| | |
|---------------------------------------|--------------------------------------|
| Modell | SV06 |
| Software-Sprachen | Englisch |
| Druckverfahren | TF-Karte, USB-Kabel |
| Typ | FDM |
| Anzahl der Düsen | 1 |
| Druckgröße | 220*220*250mm |
| Empfohlene Druckgeschwindigkeit | ≤80mm/s |
| Druckgenauigkeit | ±0.1mm |
| Durchmesser der Düse | 0.4mm (austauschbar) |
| Düsentemperatur | ≤300°C |
| Temperatur des heißen Bettes | ≤100°C |
| Unterstützung Verbrauchsmaterial | PLA/ABS/PETG/TPU/WOOD |
| Durchmesser der Verbrauchsmaterialien | 1.75mm |
| Unterstützte Dateiformate | G-code |
| Spannung | Eingang:115/230V 50/60HZ Ausgang:24V |
| Betriebssysteme | Windows, Linux, Mac |
| Stromversorgung | 360W/24V |

2 Liste der Posten



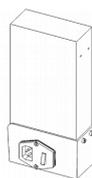
Gantry



Basis



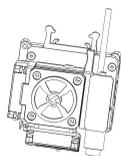
Kontrollkasten



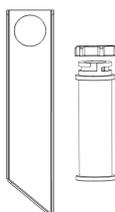
Stromversorgung



Bildschirme anzeigen



Extruder-Komponenten



Materialregale

Tool Box



Netz-kabel



Kabelbinder



Werkzeugkasten



Ersatz-Düsen



Schneidzange



Düse mit Durchgangsnadel



Spatel

TF-Karte/
Kartenleser

M5X50*4



M4X20*2



M3X5*3

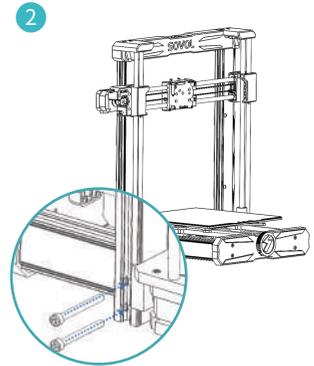
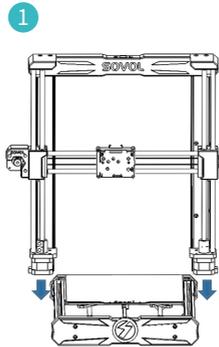
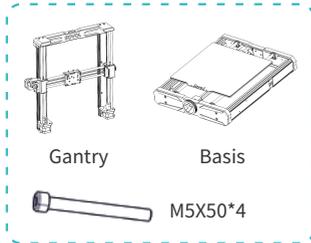


M5X10*2

3 Zusammenbau

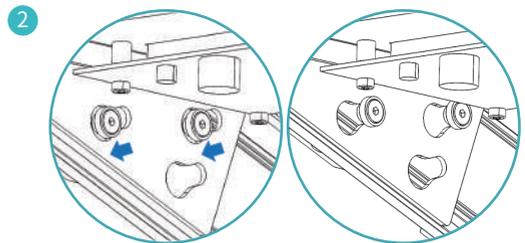
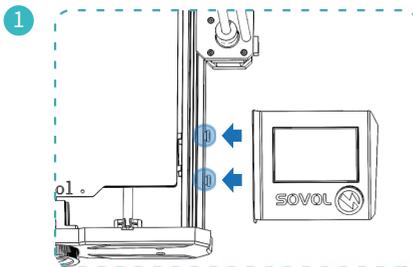
3.1 Gantry installieren

- 1** Montieren Sie die Gantry mit vier M5x50 Schrauben und ziehen Sie die Schrauben fest.



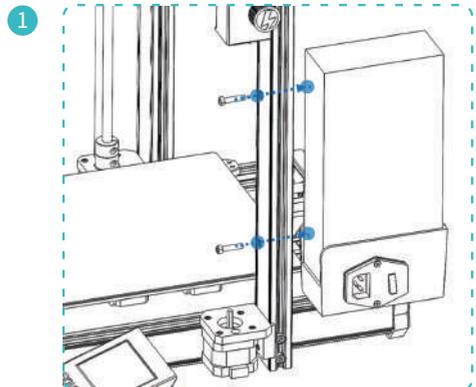
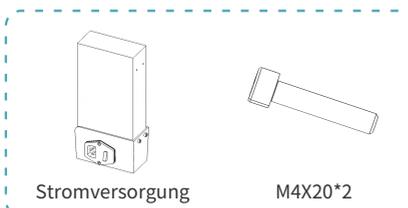
3.2 Bildschirme anzeigen Installieren

- 1** Befestigen Sie den Bildschirme anzeigen an der Halterung auf der rechten Seite des Sockels ●
- 2** Drücken Sie ihn entlang der Diagonale nach unten, so dass er in der Halterung einrastet.



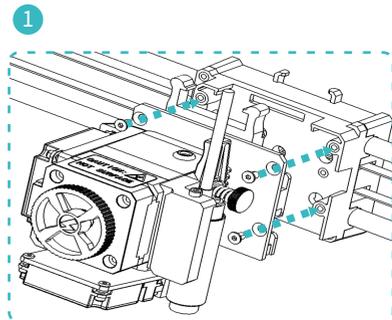
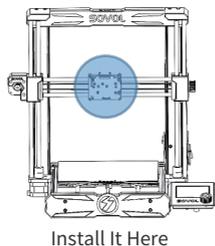
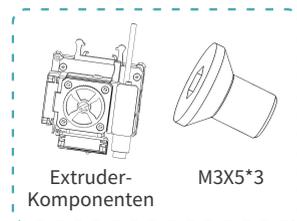
3.3 Netzteil installieren

- 1** Befestigen Sie das Netzteil mit zwei Schrauben M4X20 am rechten Profil des Gantry und ziehen Sie die Schrauben fest.



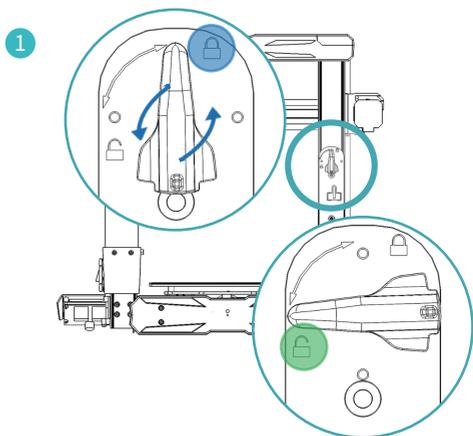
3.4 Extruder-Komponenten installieren

- 1 Befestigen Sie die Extruder-Komponenten mit den drei M3X5-Schrauben an der Gleitbasis und ziehen Sie die Schrauben fest.



3.5 Kontrollkasten installieren

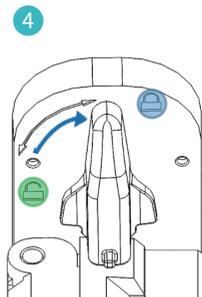
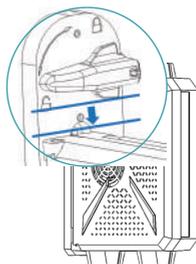
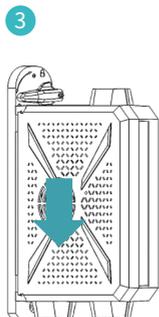
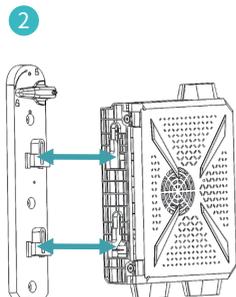
- 1 Bitte drehen Sie den Flugzeugschalter an der Schaltschrank-Hängetafel von  verriegelt auf  entriegelt, indem Sie ihn nach links drehen.



- 2 Anbringen des Kontrollkasten an der Wandplatte.

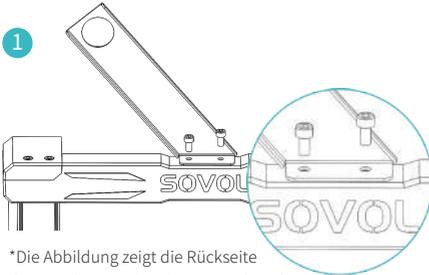
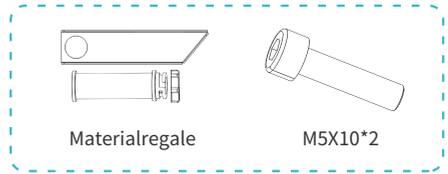
- 3 Drücken Sie den gesamten Kontrollkasten nach unten, um ihn an der Stecktafel zu befestigen.

- 4 Drehen Sie den Flugzeugschalter wieder in den Zustand  locked

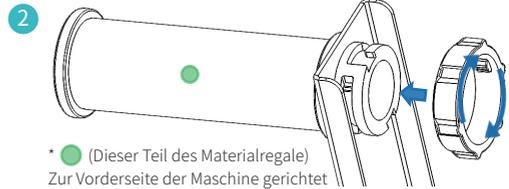


3.6 Materialregale Installation

- 1 Befestigung der Materialregale an der Oberseite der Maschine mit zwei Schrauben M5X10
- 2 Montage des Materialregal Fässers.

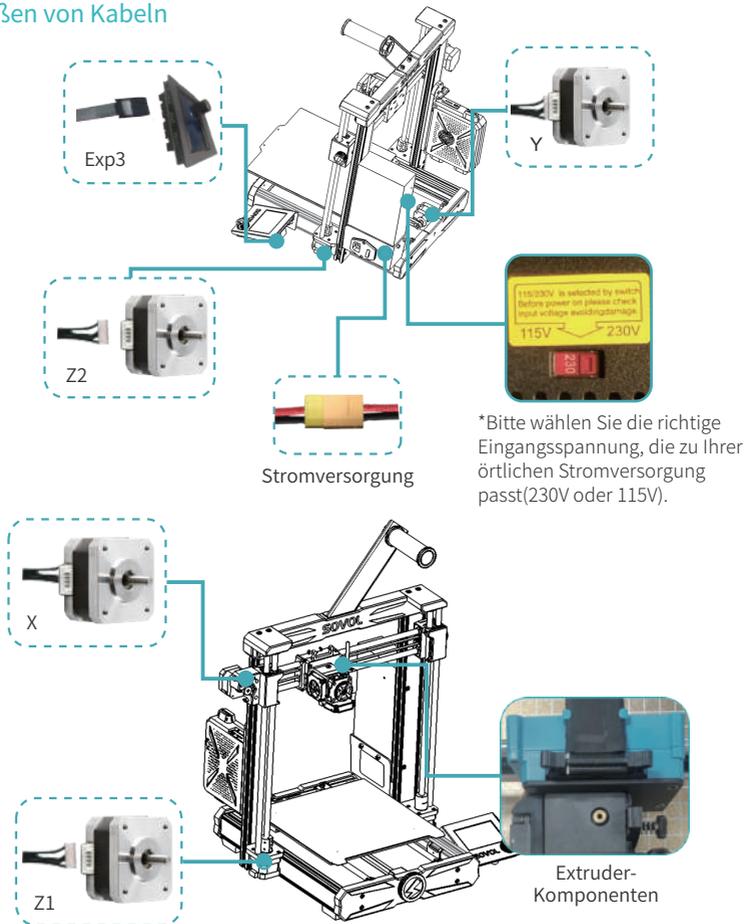


*Die Abbildung zeigt die Rückseite der Maschine, wobei der Materialregale nach links zeigt, wenn die Rückseite der Maschine Ihnen zugewandt ist.



* (Dieser Teil des Materialregale) Zur Vorderseite der Maschine gerichtet

3.7 Anschließen von Kabeln



*Bitte wählen Sie die richtige Eingangsspannung, die zu Ihrer örtlichen Stromversorgung passt(230V oder 115V).

4 Informationen anzeigen

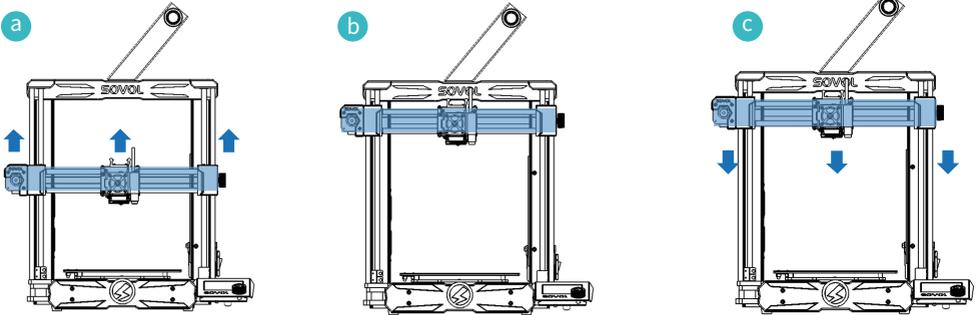
| Info Screen | | | | | |
|---|--|--|-----------------|---------------|------------------|
| Prepare | Bed Leveling | Configuration | Change filament | About Printer | Print from Media |
| Auto Home Move Axis Motion Move X Move Axis Move 10mm Move 1mm Move 0.1mm Move Y Move Axis Move 10mm Move 1mm Move 0.1mm Move Z Move Axis Move 10mm Move 1mm Move 0.1mm Move Extruder Move Axis Move 10mm Move 1mm Move 0,1mm | Auto Home Probe Z offset Level Bed Auto Z-Align | Advanced Settings Set Home Offsets Velocity Acceleration Jerk Probe Offsets Steps/mm TMC Drivers PID Settings Filament Store Settings Initialize EEPROM | | Printer Info | |
| Temperature Nozzle Bed Fan Speed Preheat PLA Conf Fan Speed Nozzle Bed Store Settings Preheat ABS Conf Fan Speed Nozzle Bed Store Settings | M48 Probe Test Fade Height Load Settings | Sound On Off | | Thermistors | |
| Preheat PLA Preheat PLA End Preheat PLA Bed | Load Settings | | | | |
| Preheat ABS Preheat ABS End Preheat ABS Bed | Store Settings | Restore Defaults | | | |
| Disable Steppers | | | | | |

5 Nivellierung

5.1 Nivellierung-1

| | | | |
|-----------------|---|----------------|---|
| Info Screen | ↑ | Main | ↑ |
| Prepare | → | Auto Home | |
| Bed Leveling | → | Probe Z Offset | → |
| Configuration | → | Level Bed | |
| Change Filament | → | Auto Z-Align | |

- 1 Drücken Sie den Drehknopf > Hauptbildschirm → Bettnivellieren → Automatische Z-Achsen-Ausrichtung



Die Maschine kehrt zunächst automatisch auf den Nullpunkt zurück, dann fährt der gesamte X-Achsenbalken zur Kalibrierung nach oben und schließlich wieder nach unten, um automatisch auf den Nullpunkt zurückzukehren.

5.2 Nivellierung-2

| | | | |
|-----------------|---|----------------|---|
| Info Screen | ↑ | Main | ↑ |
| Prepare | → | Auto Home | |
| Bed Leveling | → | Probe Z Offset | → |
| Configuration | → | Level Bed | |
| Change Filament | → | Auto Z-Align | |

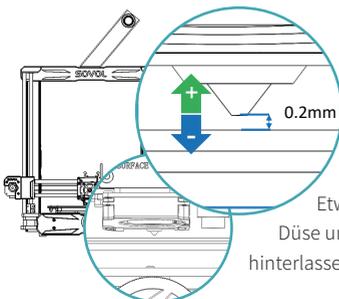
- 2 Klicken Sie auf "Bett nivellieren" → Auto-Nullstellung (nur Aufwärmen) → Auto-Nullstellung



Nach dem ersten Klick auf die automatische Nullrückstellung wird die Maschine zunächst aufgewärmt: 120°C für die Düse und 60°C für das Heizbett. Sobald die Temperatur erreicht ist, klicken Sie erneut auf Auto-Nullstellung, um den Vorgang auszuführen.

| | | | |
|----------------|---|----------------|----|
| Main | ↑ | Auto Z-Align | |
| Auto Home | | M48 Probe Test | |
| Probe Z Offset | → | Fade Height: | 10 |
| Level Bed | | Load Settings | |
| Auto Z-Align | | Store Settings | |

- 3 Nachdem die Maschine angehalten hat, kehren Sie zur Taste "Z-Offset erkennen" zurück, um den Abstand zwischen der Düse und dem heißen Bett einzustellen



Vergessen Sie nicht, auf "Einstellungen speichern" zu klicken, nachdem Sie Ihre Einstellungen vorgenommen haben.

Etwa 0,2 mm, die Dicke eines A4-Blattes. Wenn Sie das Papier zwischen Düse und heißem Bett ziehen und die Düse einen Kratzer auf dem Papier hinterlassen kann, aber das Papier nicht vollständig andrückt, ist der Abstand richtig.

5.3 Nivellierung-3

```

Main          ↑
Auto Home
Probe Z Offset  →
Level Bed
Auto Z-Align
  
```



Nachdem Sie auf "Bettnivellieren" geklickt haben, steigt die Düse auf 120°C und das heiße Bett auf 60°C. Bitte warten Sie geduldig und achten Sie auf Verbrennungen.

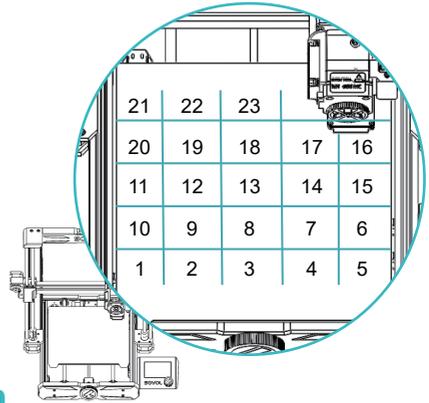
```

Auto Z-Align
M48 Probe Test
Fade Height:   10
Load Settings
Store Settings
  
```



Nachdem Sie die Einstellungen vorgenommen haben, vergessen Sie nicht, auf "Einstellungen speichern" zu klicken.

- Klicken Sie dann auf "Bettnivellieren", und die Maschine beginnt, die 25 Punkte auf dem heißen Bett zu erkennen.



6 Verbrauchsmaterial abfüllen

```

Info Screen  ↑
Prepare      →
Bed Leveling →
Configuration →
Change Filament →
  
```

```

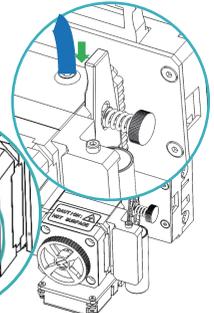
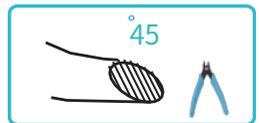
Main          ↑
Auto Home
Move Axis    →
Temperature  →
Preheat PLA  →
  
```

```

Move Axis    →
Temperature  →
Preheat PLA  →
Preheat ABS  →
Disable Steppers
  
```

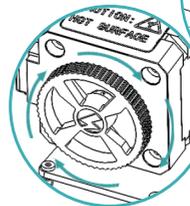
- Klicken Sie auf Vorheizen → PLA/ABS vorheizen

- Sobald die Temperatur auf die Zieltemperatur angestiegen ist, wird die Vorderseite des Filaments in einem schrägen Winkel von 45° abgeschnitten und etwa 20 mm in den Einlass eingeführt, von Hand festgehalten und das Spinnrad im Uhrzeigersinn gedreht, bis die Verbrauchsmaterialien aus der Düse austreten.

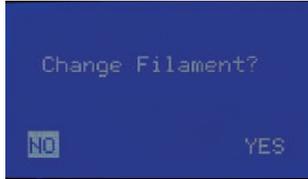
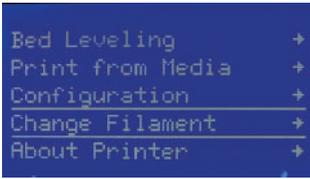


Wenn Sie beim Drehen einen Widerstand spüren und Schwierigkeiten beim Drehen haben, entriegeln Sie den Motor

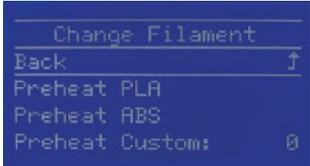
Schritte zum Entsperrn des Motors: Klicken Sie auf "Warm-up" → "Stepper deaktivieren".



7 Ersatz von Verbrauchsmaterial



- 1 Drücken Sie den Drehknopf > Hauptbildschirm → Verbrauchsmaterial wechseln → Ja



- 2 Sie können auch eine benutzerdefinierte Temperatur auswählen, die von der Art des verwendeten Verbrauchsmaterials abhängt, und warten, bis die Temperatur steigt.

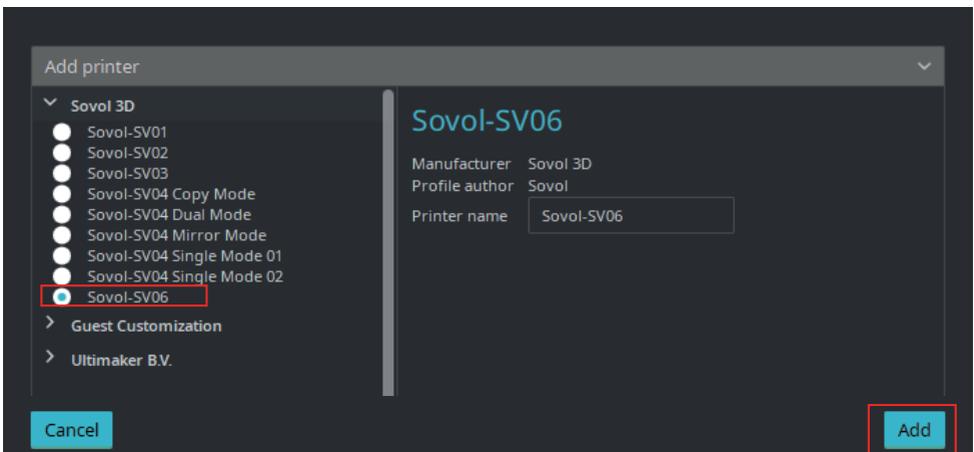
- 3 Warten Sie, bis die Zieltemperatur erreicht ist. Das Gerät pumpt die Verbrauchsmaterialien zurück in die Zufuhröffnung und Sie können sie herausziehen und neue einlegen, um mit dem Druck zu beginnen.

8 Bereit zum Drucken

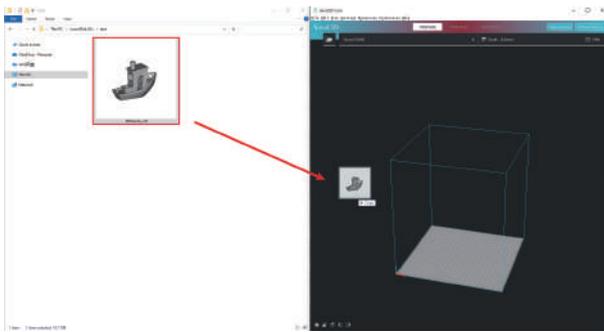


Sovol3D_Cura-1.5.0-win64

- 1 Doppelklicken Sie auf die auf der TF-Karte installierte Datei "Sovol-Cura".

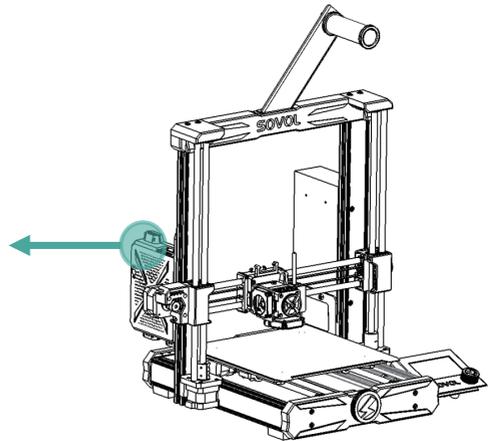
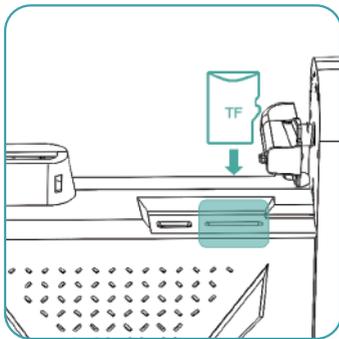
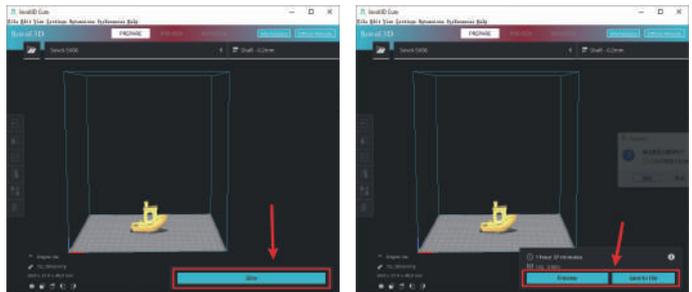


- 2 Wählen Sie, um SV06 hinzuzufügen.

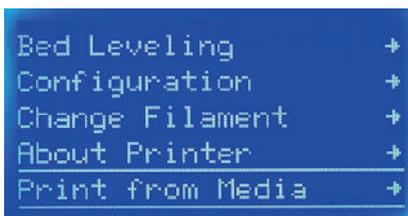


- 3 Wählen Sie das Modell, das Sie drucken möchten, und fügen Sie es hinzu.

- 4 Klicken Sie auf , um die Datei zu schneiden und auf der TF-Karte zu speichern.

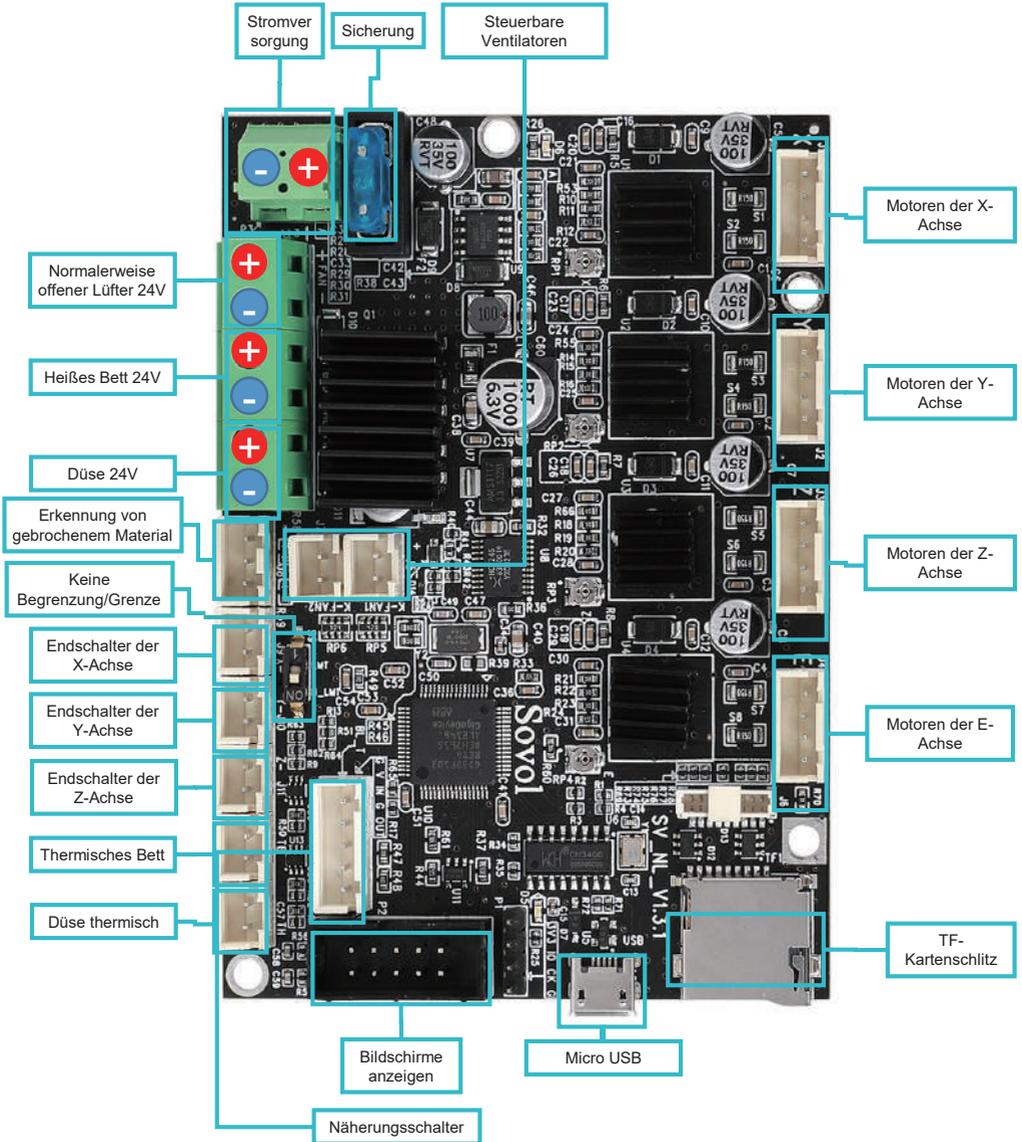


- 5 Stecken Sie die TF-Karte in den Kartenschlitz auf der Oberseite des Steuergeräts



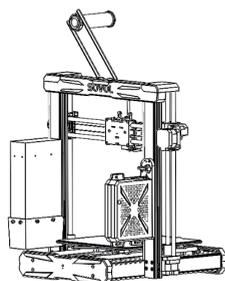
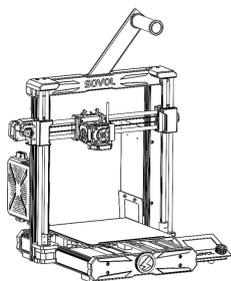
- 6 Klicken Sie auf "Von Medium drucken" → Wählen Sie die zu druckende Datei aus

9 Hauptplatine



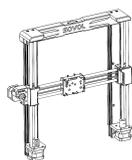
- Non utilizzare la stampante in modi diversi da quelli sopra descritti per evitare lesioni personali o perdite di proprietà.
- Non collocare la stampante in un ambiente soggetto a forti vibrazioni o ad altre instabilità. Lo scuotimento della macchina influisce sulla qualità di stampa della stampante.
- Non collocare la macchina vicino a materiali infiammabili ed esplosivi o a fonti di calore elevate.
- Collocare la macchina in un ambiente ventilato, fresco e privo di polvere.
- Si raccomanda di utilizzare i materiali raccomandati dal produttore per evitare di danneggiare la macchina.
- Non utilizzare un cavo di alimentazione diverso da quello in dotazione. Utilizzare sempre una presa di corrente trifase con messa a terra.
- Non indossare guanti di cotone quando si utilizza la stampante. Tali indumenti potrebbero impigliarsi nelle parti mobili della stampante, causando ustioni, lesioni personali o danni alla stampante.
- Attendere un attimo per estrarre la copia stampata dopo la stampa.
- Si sconsiglia l'uso di firmware o schede madri di terze parti, pena l'invalidità della garanzia.
- Pulire frequentemente la stampante. Durante la pulizia, assicurarsi di spegnere la stampante e utilizzare un panno asciutto per rimuovere la polvere, le plastiche adesive di stampa o qualsiasi altro materiale presente sul telaio, sulla guida o sulla ruota. Pulire la superficie di stampa con un detergente per vetri o con alcol isopropilico.
- I bambini di età inferiore ai 10 anni non devono utilizzare la stampante senza supervisione.
- Non spostare manualmente la testina di stampa e il meccanismo della piattaforma di stampa durante la stampa.
- Gli utenti devono rispettare le leggi e le normative del paese e della regione in cui si trova (si utilizza) l'apparecchiatura, attenersi rigorosamente all'etica professionale, prestare attenzione agli obblighi di sicurezza e vietare l'uso dei nostri prodotti o delle nostre apparecchiature per scopi illegali. In nessun caso Sovol sarà responsabile nei confronti dei trasgressori.

1 Parametri dell'apparecchiatura

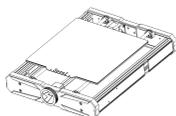


| | |
|-----------------------------------|--|
| Modello | SV06 |
| Linguaggi software | Italiano |
| Metodo di stampa | Scheda TF, cavo USB |
| Tipo | FDM |
| Numero di ugelli | 1 |
| Dimensione di stampa | 220*220*250mm |
| Velocità di stampa consigliata | ≤80mm/s |
| Precisione di stampa | ±0.1mm |
| Diametro dell'ugello | 0.4mm (Intercambiabile) |
| Temperatura dell'ugello | ≤300°C |
| Temperatura del letto caldo | ≤100°C |
| Materiali di consumo di supporto | PLA/ABS/PETG/TPU/WOOD |
| Diametro dei materiali di consumo | 1.75mm |
| Formati di file supportati | G-code |
| Tensione | Ingresso: 115/230V 50/60HZ Uscita: 24V |
| Sistemi operativi | Windows, Linux, Mac |
| Alimentazione | 360W/24V |

2 Elenco degli articoli



Gantry



Base



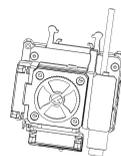
Scatola di controllo



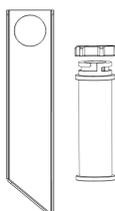
Alimentazione



Schermi di visualizzazione



Componenti dell'estrusore



scaffali

Cassetta degli attrezzi



Cavo di alimentazione



Cravatte



Kit di strumenti



Ugelli di ricambio



Forbici



Ugello ad ago passante



Spatola



Scheda TF/lettore



M5X50*4



M4X20*2



M3X5*3

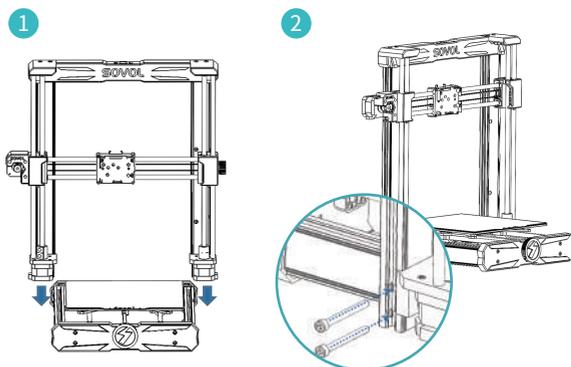
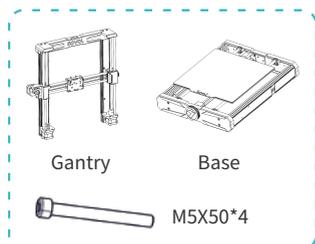


M5X10*2

3 Assemblaggio

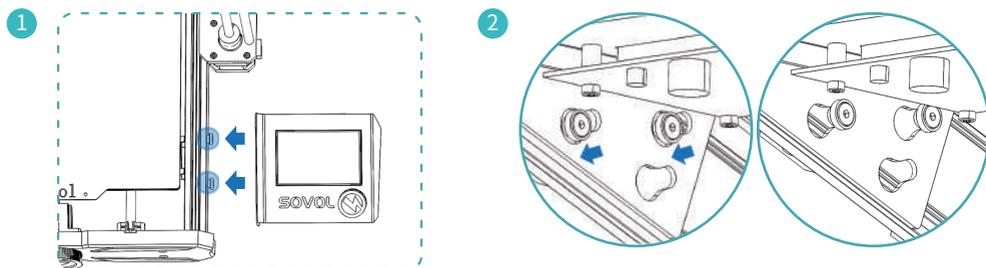
3.1 Installazione di portali

- 1** Utilizzare quattro viti M5X50 per installare il portale e serrare le viti.



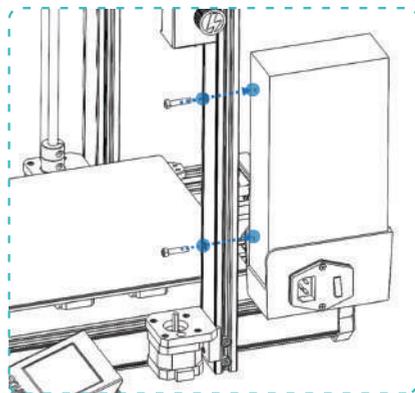
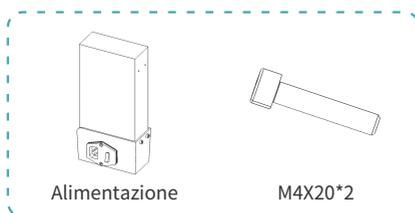
3.2 Montaggio del display

- 1** Installare il display sulla staffa sul lato destro della base ●
- 2** Spingerlo diagonalmente verso il basso per agganciarlo alla staffa.



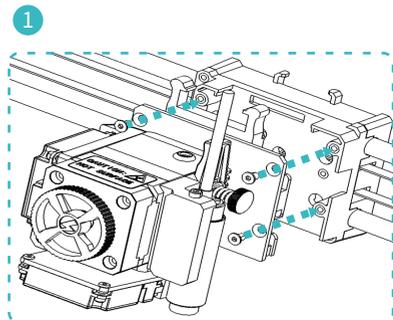
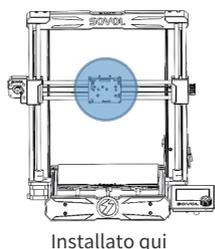
3.3 Installazione dell'alimentazione elettrica

- 1** Utilizzare due viti M4X20 per installare l'alimentatore sul profilo destro del portale e serrare le viti.



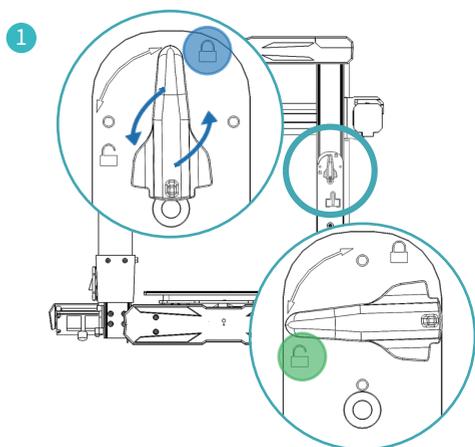
3.4 Installazione del gruppo estrusore

- 1 Utilizzare tre viti M3X5 per installare il gruppo estrusore sulla base scorrevole e serrare le viti.



3.5 Installazione della centralina di controllo

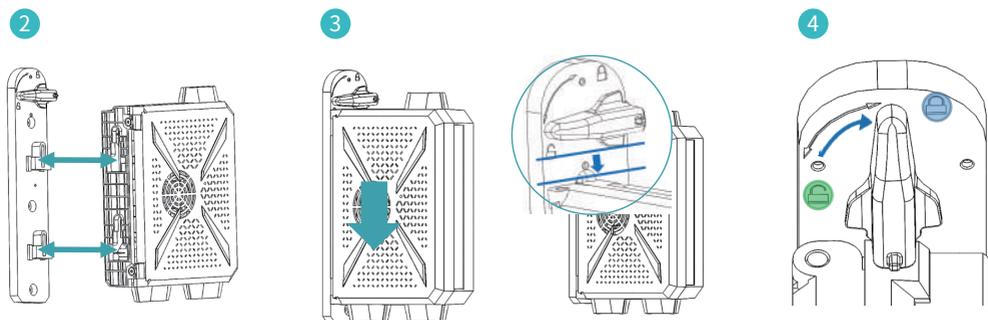
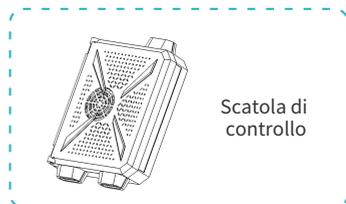
- 1 Ruotare l'interruttore dell'aereo sulla piastra di sospensione della scatola di controllo dallo stato  bloccato allo stato  sbloccato.



- 2 Installare la centralina di controllo sulla piastra di sospensione.

- 3 Premere l'intera scatola di comando per bloccarla sul pannello di sospensione.

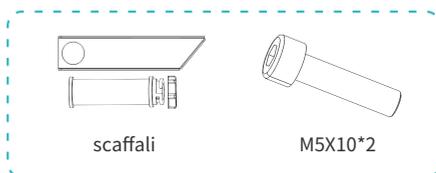
- 4 Ruotare nuovamente l'interruttore del velivolo in stato  di blocco.



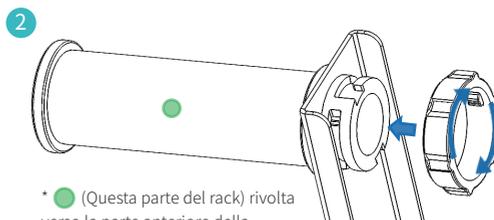
3.6 Installazione di scaffalature per materiali

1 Installare la piastra del rack sulla parte superiore della macchina con due viti M5X10.

2 Installare il cilindro del rack.

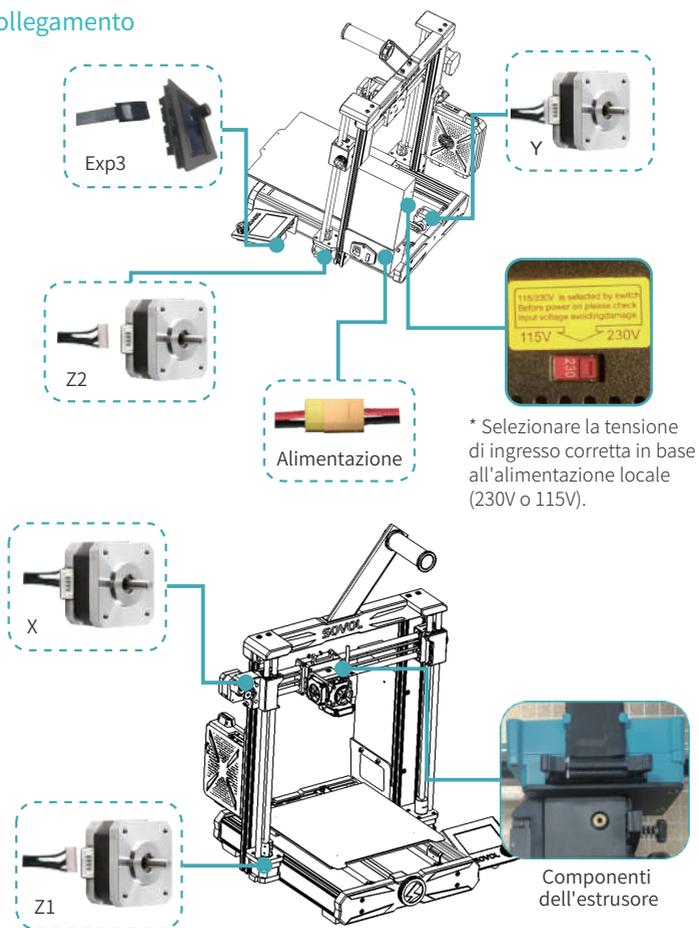


* La figura mostra il retro della macchina. Quando il retro della macchina è rivolto verso di voi, il rack è rivolto a sinistra.



* ● (Questa parte del rack) rivolta verso la parte anteriore della macchina.

3.7 Cavi di collegamento



4 Informazioni sul display

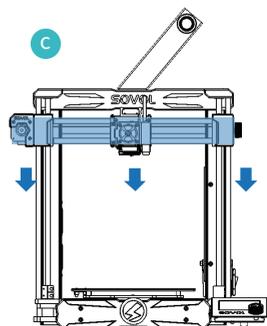
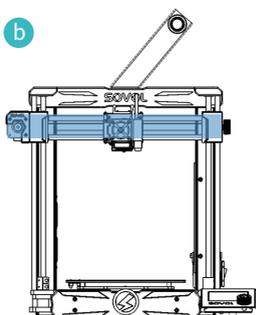
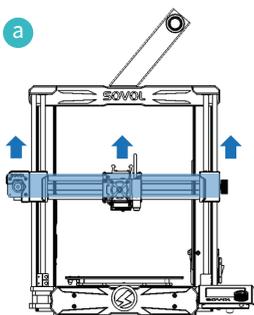
| Info Screen | | | | | |
|---|--|--|-----------------|---------------|------------------|
| Prepare | Bed Leveling | Configuration | Change filament | About Printer | Print from Media |
| Auto Home Move Axis Motion Move X Move Axis Move 10mm Move 1mm Move 0.1mm Move Y Move Axis Move 10mm Move 1mm Move 0.1mm Move Z Move Axis Move 10mm Move 1mm Move 0.1mm Move Extruder Move Axis Move 10mm Move 1mm Move 0.1mm | Auto Home Probe Z offset Level Bed Auto Z-Align | Advanced Settings Set Home Offsets Velocity Acceleration Jerk Probe Offsets Steps/mm TMC Drivers PID Settings Filament Store Settings Initialize EEPROM | | Printer Info | |
| Temperature Nozzle Bed Fan Speed Preheat PLA Conf Fan Speed Nozzle Bed Store Settings Preheat ABS Conf Fan Speed Nozzle Bed Store Settings | M48 Probe Test Fade Height Load Settings | Sound On Off | | Thermistors | |
| Preheat PLA Preheat PLA End Preheat PLA Bed | Store Settings | Restore Defaults | | | |
| Preheat ABS Preheat ABS End Preheat ABS Bed | | | | | |
| Disable Steppers | | | | | |

5 Livellamento

5.1 Livellamento-1

| | | | |
|-----------------|---|----------------|---|
| Info Screen | ↑ | Main | ↑ |
| Prepare | → | Auto Home | |
| Bed Leveling | → | Probe Z Offset | → |
| Configuration | → | Level Bed | |
| Change Filament | → | Auto Z-Align | |

- 1 Premere la manopola >
Schermata principale →
Livellamento del letto →
Allineamento automatico
dell'asse Z



La macchina tornerà automaticamente a zero, quindi l'intero fascio dell'asse X salirà verso l'alto per la calibrazione e infine scenderà per tornare automaticamente a zero.

5.2 Livellamento-2

| | | | |
|-----------------|---|----------------|---|
| Info Screen | ↑ | Main | ↑ |
| Prepare | → | Auto Home | |
| Bed Leveling | → | Probe Z Offset | → |
| Configuration | → | Level Bed | |
| Change Filament | → | Auto Z-Align | |

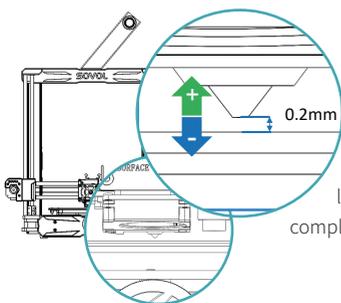
- 2 Cliccare su "Livellamento del letto". → Ritorno automatico a zero (solo preriscaldamento) → Ritorno automatico a zero



Dopo aver fatto clic per la prima volta su Auto Zero, la macchina verrà prima preriscaldata: l'ugello è a 120 °C e il letto caldo a 60 °C. Dopo aver raggiunto la temperatura, fare nuovamente clic sul ritorno automatico a zero per eseguire questo processo.

| | | | |
|----------------|---|-----------------|--|
| Main | ↑ | Auto Z-Align | |
| Auto Home | | M48 Probe Test | |
| Probe Z Offset | → | Fade Height: 10 | |
| Level Bed | | Load Settings | |
| Auto Z-Align | | Store Settings | |

- 3 Dopo l'arresto della macchina, fare clic su "Rileva offset Z" per regolare la distanza tra l'ugello e il letto caldo.



Dopo la regolazione, non dimenticate di fare clic su "Salva impostazioni".

È di circa 0,2 mm, ovvero lo spessore di un foglio A4. Quando si trascina la carta tra l'ugello e il letto caldo, l'ugello può lasciare dei graffi sulla carta senza premere completamente la carta, il che indica che la distanza è adeguata.

5.3 Livellamento-3

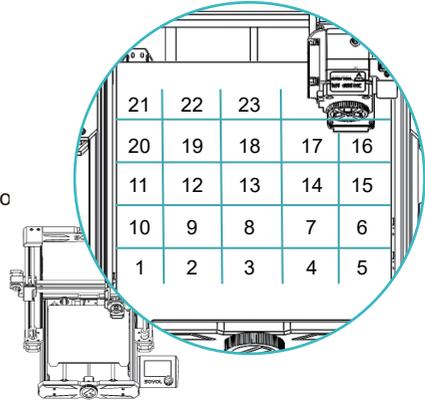


Dopo aver fatto clic su "letto di livellamento", l'ugello salirà a 120 °C e il letto caldo salirà a 60 °C. Attendere pazientemente per evitare scottature.

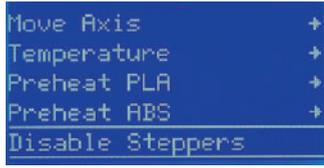
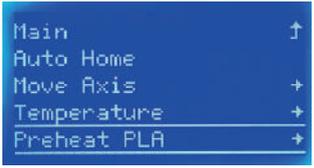
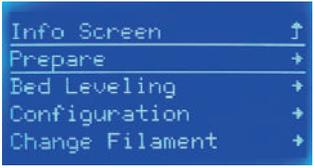


Dopo la regolazione, non dimenticate di fare clic su "Salva impostazioni".

4 Quindi fare clic su "Letto di livellamento" e la macchina inizierà a rilevare 25 punti sul letto caldo

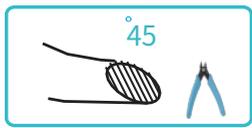


6 Materiali di consumo per il riempimento

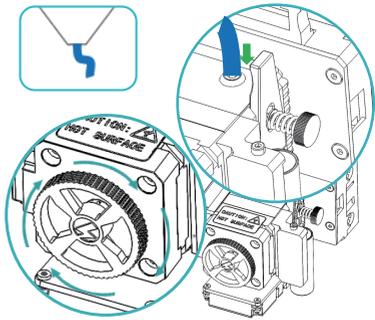


1 Preriscaldamento a scatto → preriscaldamento di PLA/ABS

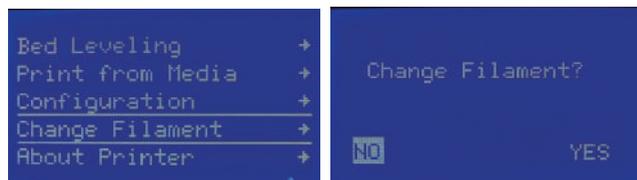
2 Quando la temperatura sale alla temperatura target, tagliare l'estremità anteriore del filamento con uno smusso a 45°, inserirlo nell'ingresso di alimentazione per circa 20 mm, tenerlo premuto con la mano e ruotare la ruota in senso orario finché non si vede il materiale di consumo estrudere dall'ugello.



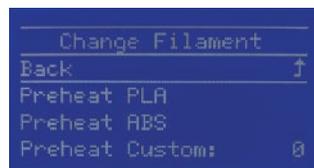
Se si avverte resistenza e difficoltà a girare, sbloccare il motore.
Per sbloccare il motore: fare clic su "Riscaldamento" → "Disabilita stepper".



7 Sostituzione dei materiali di consumo



- 1 Premere la manopola > Schermata principale → Sostituzione dei materiali di consumo → sì



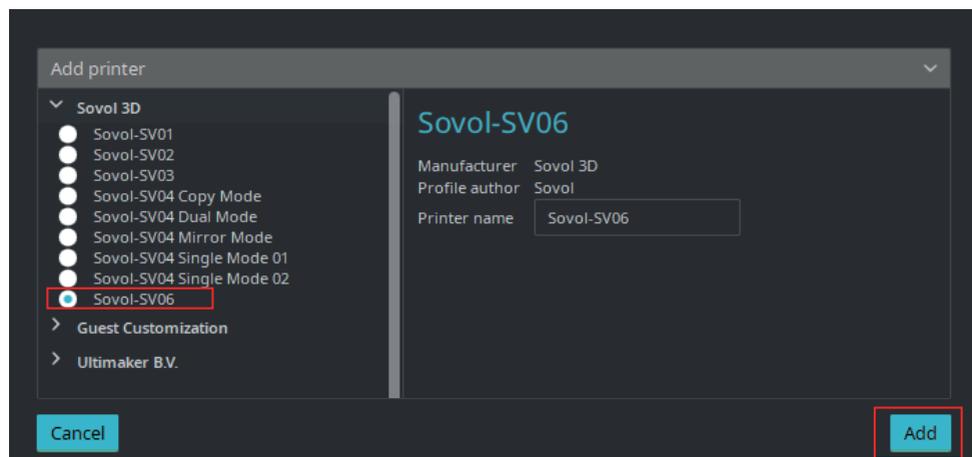
- 2 Selezionare le opzioni corrispondenti in base al tipo di materiale di consumo utilizzato, oppure selezionare una temperatura personalizzata. Dopo la selezione, attendere che la temperatura aumenti.
- 3 Attendere che la temperatura target aumenti e la macchina preleverà i materiali di consumo dalla porta di alimentazione. È possibile estrarre i materiali di consumo e inserirne di nuovi per iniziare a stampare.

8 Pronto per la stampa

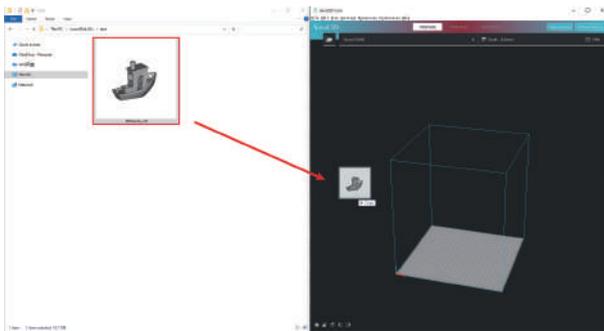


Sovol3D_Cura-1.5.0-win64

- 1 Fare doppio clic sul file "Sovol Cura" installato nella scheda TF.

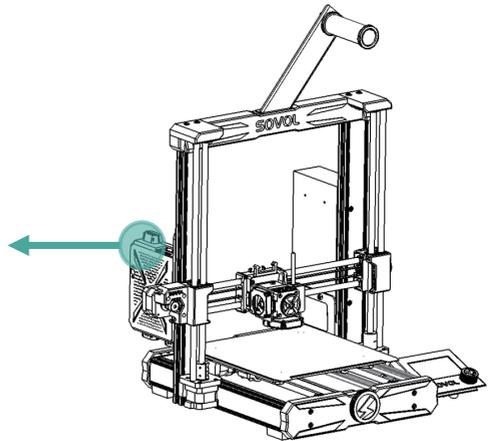
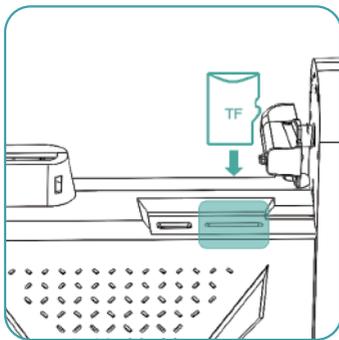
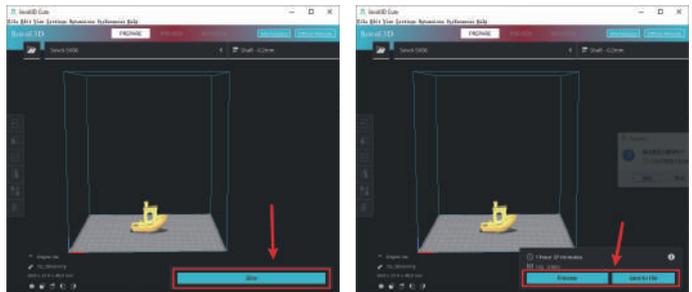


- 2 Selezionare per aggiungere SV06.



- 3 Selezionare e aggiungere il modello che si desidera stampare.

- 4 Fare clic su slice e salvare il file sulla scheda TF.

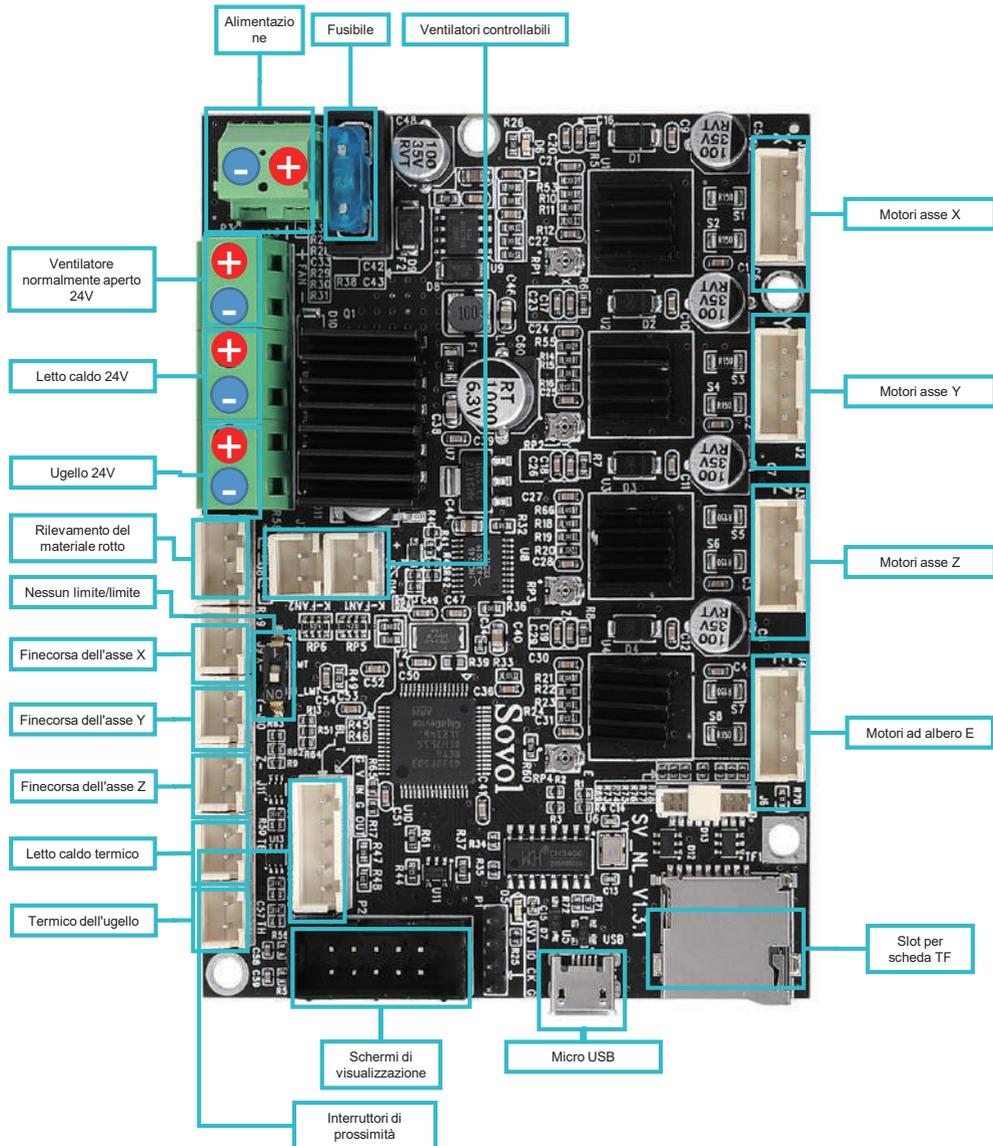


- 5 Inserire il TF nell'alloggiamento della scheda sopra la centralina di controllo della macchina.



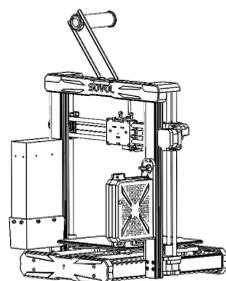
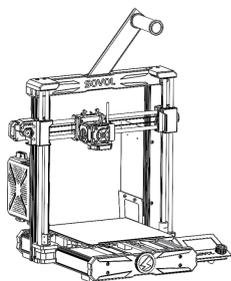
- 6 Fare clic su "Stampa da supporto" → Selezionare File Stampa.

9 Scheda madre



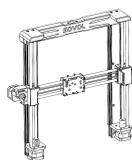
- Veuillez ne pas utiliser l'imprimante d'une manière autre que celle décrite ici, car cela pourrait entraîner des blessures ou des dommages matériels.
- Veuillez ne pas mettre l'imprimante dans un environnement vibrant ou autrement instable. Les secousses de la machine peuvent affecter la qualité d'impression de l'imprimante.
- Veuillez ne pas mettre la machine à proximité de matériaux inflammables ou explosifs ou de sources de chaleur élevée.
- Conservez la machine dans un environnement ventilé, frais et sans poussière.
- Il est conseillé d'utiliser les matériaux recommandés par le fabricant pour éviter d'endommager la machine.
- Veuillez ne pas utiliser de câble d'alimentation autre que celui qui est fourni. Utilisez toujours une prise de courant triphasée et mise à la terre.
- Veuillez ne pas porter de gants en coton lorsque vous utilisez l'imprimante. Ces tissus peuvent s'emmêler dans les pièces mobiles de l'imprimante et provoquer des brûlures, des blessures ou endommager l'imprimante.
- Attendez quelques instants après l'impression pour retirer l'empreinte.
- L'utilisation de micrologiciels ou de cartes mères tiers n'est pas recommandée car elle annule la garantie.
- Nettoyez fréquemment l'imprimante. Mettez toujours l'appareil hors tension lors du nettoyage et utilisez un chiffon sec pour enlever la poussière, le plastique imprimé adhérent ou tout autre matériau du cadre, des guides ou des roues. Utilisez un nettoyeur pour vitres ou de l'alcool isopropylique pour nettoyer la surface d'impression.
- Les enfants de moins de 10 ans ne doivent pas utiliser l'imprimante sans surveillance.
- Ne déplacez pas la tête d'impression et le mécanisme de la plate-forme d'impression à la main pendant l'impression.
- Les utilisateurs doivent se conformer aux lois et règlements du pays où se trouve (ou est utilisé) l'équipement, respecter l'éthique professionnelle et les obligations de sécurité, et il leur est strictement interdit d'utiliser nos produits ou équipements à des fins illégales. En aucun cas, Sovol ne pourra être tenue pour responsable de toute violation.

1 Paramètres de l'équipement

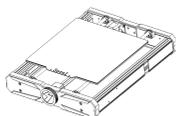


| | |
|------------------------------------|---|
| Modèle | SV06 |
| Langage logiciel | Anglais |
| Méthode d'impression | Scheda TF, cavo USB |
| Type | FDM |
| Nombre de buses | 1 |
| Taille d'impression | 220*220*250mm |
| Vitesse d'impression recommandée | ≤80mm/s |
| Précision de l'impression | ±0.1mm |
| Diamètre de la buse | 0,4 mm (remplaçable) |
| Température de la buse | ≤300°C |
| Température du lit chaud | ≤100°C |
| Consommables de soutien | PLA/ABS/PETG/TPU/WOOD |
| Diamètre des consommables | 1.75mm |
| Formats de fichiers pris en charge | Code G |
| Tension | Entrée :115/230V 50/60HZ ; Sortie : 24V |
| Système d'exploitation | Windows, Linux, Mac |
| Source d'alimentation électrique | 360W/24V |

2 Liste des articles



Portique



Base



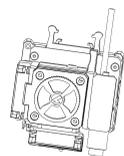
Boîtier de commande



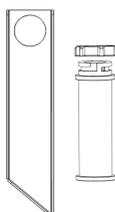
Source d'alimentation électrique



Écran d'affichage



Composants de l'extrudeuse



Porte-matériaux

Boîte à outils



Câbles d'alimentation



Cravates



Kits d'outils



Buses de rechange



Ciseaux



Goupilles de passage de la buse



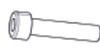
Spatule



Carte TF/lecteur de carte



M5X50*4



M4X20*2



M3X5*3

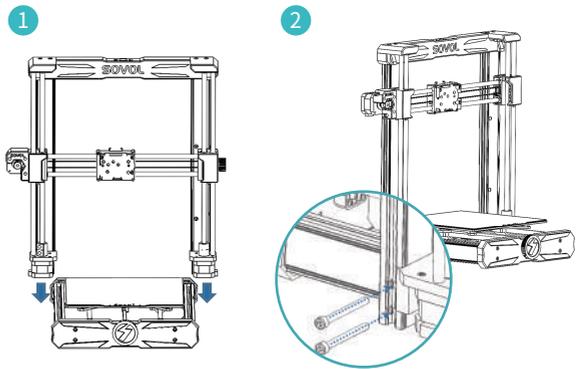
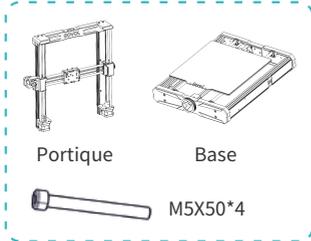


M5X10*2

3 Assemblage

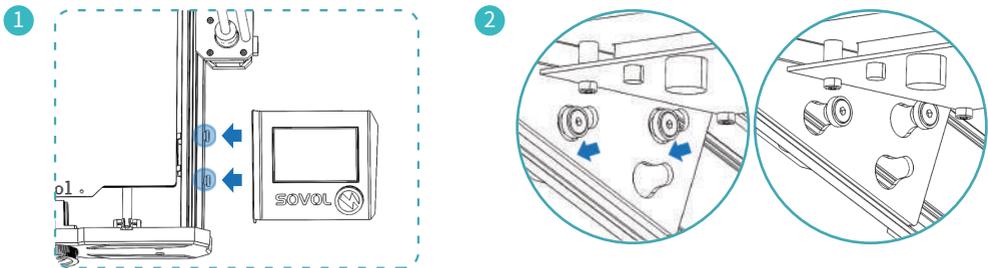
3.1 Installation du portique

- 1 Installez le portique à l'aide de quatre vis M5X50 et serrez les vis.



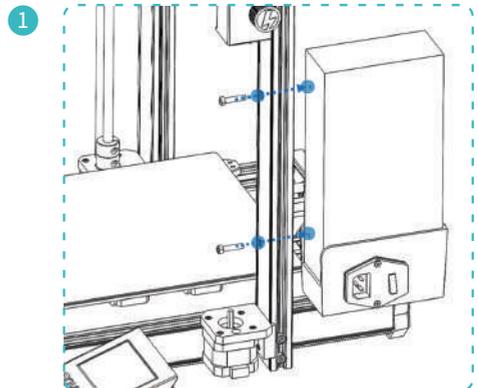
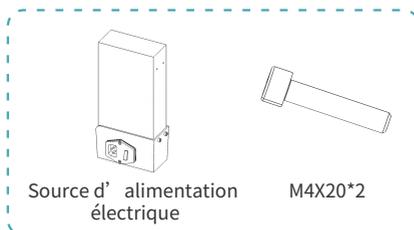
3.2 Installation de l'écran

- 1 Fixez l'écran au support situé sur le côté droit de la base ●
- 2 Poussez-le le long de la diagonale pour qu'il s'enclenche dans le support.



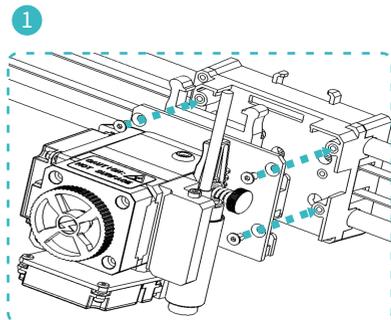
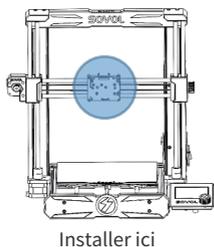
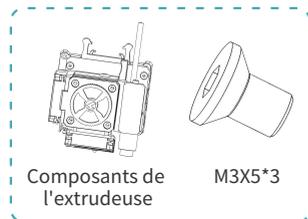
3.3 Installation de l'alimentation électrique

- 1 Fixez l'alimentation sur le côté droit du portique à l'aide de deux vis M4X20 et serrez les vis.



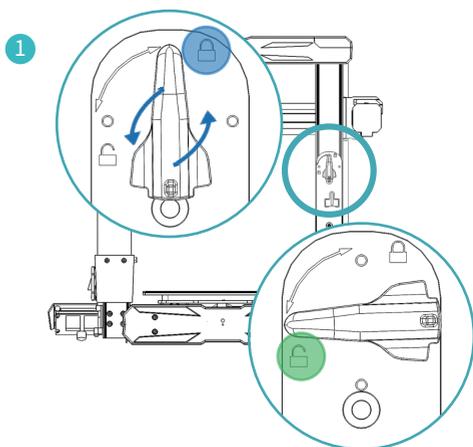
3.4 Installation des composants de l'extrudeuse

- 1 Fixez l'ensemble de l'extrudeuse à la base coulissante à l'aide des trois vis M3X5 et serrez les vis.



3.5 Installation du boîtier de commande

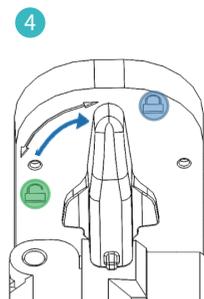
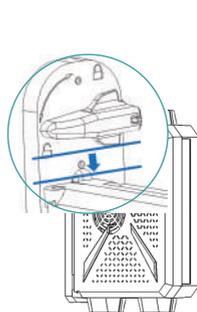
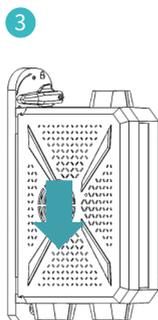
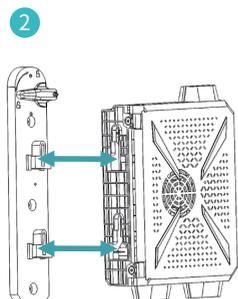
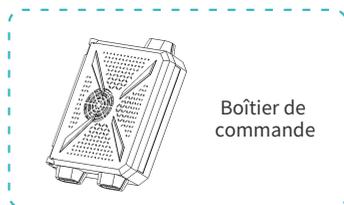
- 1 Tournez l'interrupteur de l'appareil sur la cheville du boîtier de commande vers la gauche de la position verrouillée à la position déverrouillée.



- 2 Fixez le boîtier de commande au panneau d'affichage.

- 3 Appuyez sur l'ensemble du boîtier de commande pour le verrouiller sur le panneau d'affichage.

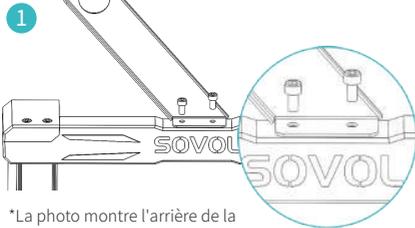
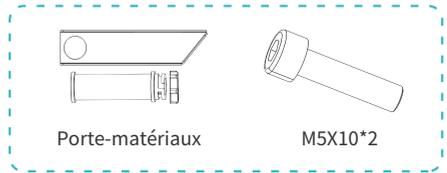
- 4 Remettez l'interrupteur de vol en position verrouillée.



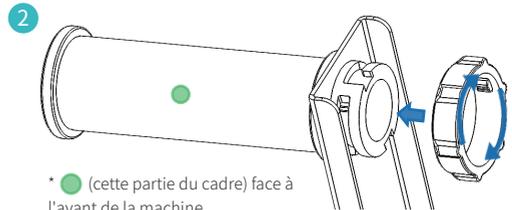
3.6 Installation de la porte-matériaux

1 Fixez la plaque du magasin au sommet de la machine à l'aide de deux vis M5X10.

2 Installation du canon du cadre.

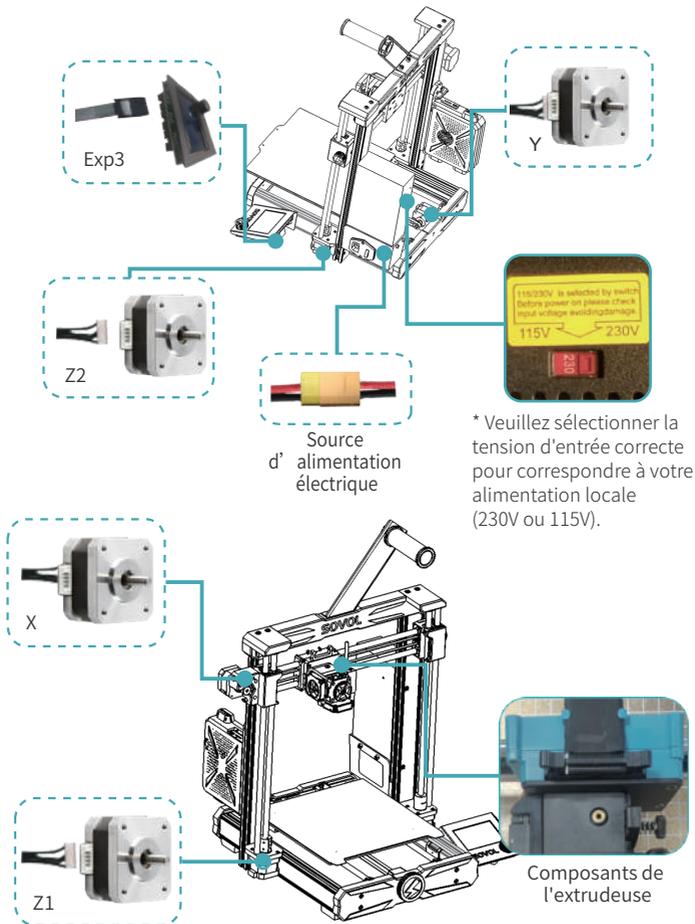


* La photo montre l'arrière de la machine, lorsque l'arrière de la machine est face à vous, l'étagère est orientée vers la gauche.



* (cette partie du cadre) face à l'avant de la machine.

3.7 Câblage

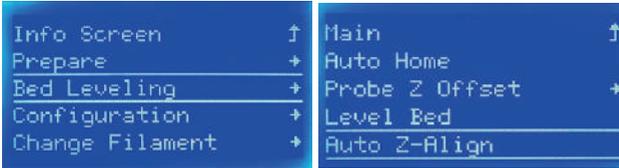


4 Afficher les informations

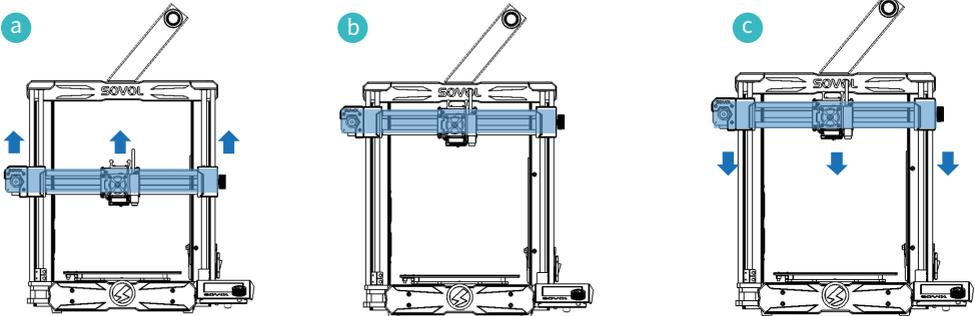
| Info Screen | | | | | |
|--|--|---|-----------------|---------------|------------------|
| Prepare | Bed Leveling | Configuration | Change filament | About Printer | Print from Media |
| Auto Home Move Axis <ul style="list-style-type: none"> Motion <ul style="list-style-type: none"> Move Axis Move 10mm Move 1mm Move 0.1mm Move X <ul style="list-style-type: none"> Move Axis Move 10mm Move 1mm Move 0.1mm Move Y <ul style="list-style-type: none"> Move Axis Move 10mm Move 1mm Move 0.1mm Move Z <ul style="list-style-type: none"> Move Axis Move 10mm Move 1mm Move 0.1mm Move Extruder <ul style="list-style-type: none"> Move Axis Move 10mm Move 1mm Move 0.1mm | Auto Home Probe Z offset Level Bed Auto Z-Align | Advanced Settings <ul style="list-style-type: none"> Set Home Offsets Velocity Acceleration Jerk Probe Offsets Steps/mm TMC Drivers PID Settings Filament Store Settings Initialize EEPROM | | Printer Info | |
| Temperature <ul style="list-style-type: none"> Nozzle Bed Fan Speed Preheat PLA Conf <ul style="list-style-type: none"> Fan Speed Nozzle Bed Store Settings Preheat ABS Conf <ul style="list-style-type: none"> Fan Speed Nozzle Bed Store Settings | M48 Probe Test Fade Height Load Settings Store Settings | Sound <ul style="list-style-type: none"> On Off | | Thermistors | |
| Preheat PLA <ul style="list-style-type: none"> Preheat PLA Preheat PLA End Preheat PLA Bed | | Restore Defaults | | | |
| Preheat ABS <ul style="list-style-type: none"> Preheat ABS Preheat ABS End Preheat ABS Bed | | | | | |
| Disable Steppers | | | | | |

5 Nivellement

5.1 Nivellement-1

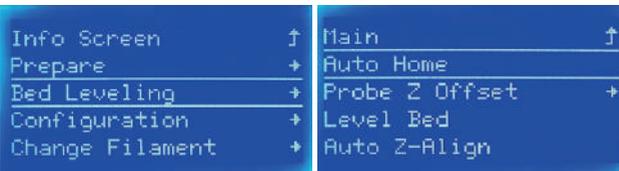


- 1 Appuyez sur le bouton > Écran principal → Nivellement du lit → Alignement automatique de l'axe Z



La machine revient d'abord automatiquement à zéro, puis l'ensemble de la poutre de l'axe X monte vers le haut pour l'alignement et descend enfin pour revenir automatiquement à zéro.

5.2 Nivellement-2



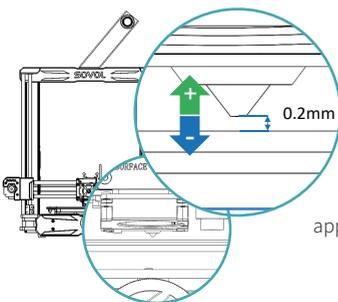
- 2 Cliquez sur Nivellement du lit → Remise à zéro automatique (préchauffage uniquement) → Remise à zéro automatique.



Après le premier clic sur Auto Zero, la machine se réchauffe d'abord : 120°C pour la tête d'impression et 60°C pour le lit chaud. Une fois que la température a été atteinte, cliquez à nouveau sur Auto Zero pour effectuer le processus.



- 3 3. Après l'arrêt de la machine, revenez et cliquez sur « Décalage Z de la sonde » pour régler la distance entre la buse et le lit chaud.



Une fois réglé, cliquez sur obligatoirement « Enregistrer les paramètres ».

Lorsque vous faites glisser le papier entre la buse et le lit chaud, la buse laisse une rayure sur le papier mais ne presse pas complètement le papier, la distance est appropriée.

5.3 Nivellement - 3

```
Main ↑
Auto Home
Probe Z Offset →
Level Bed
Auto Z-Align
```

```
Auto Z-Align
M48 Probe Test
Fade Height: 10
Load Settings
Store Settings
```

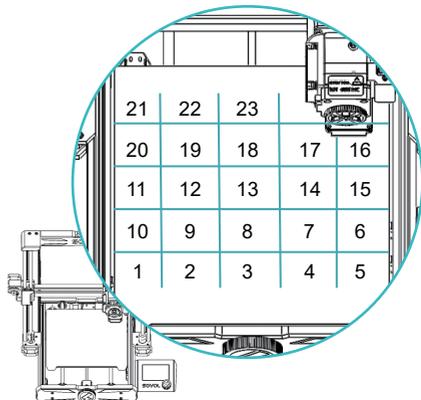


Lorsque vous cliquez sur « Nivellement du lit », la buse monte à 120°C et le lit chaud à 60°C. Veuillez attendre patiemment et faire attention aux brûlures.



Une fois réglé, cliquez sur obligatoirement « Enregistrer les paramètres ».

- 4 Cliquez ensuite sur « Nivellement du lit » et la machine commencera à détecter les 25 points du lit chaud.



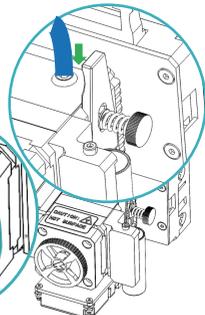
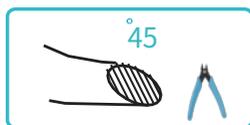
6 Installation des consommables

```
Info Screen ↑
Prepare →
Bed Leveling →
Configuration →
Change Filament →
```

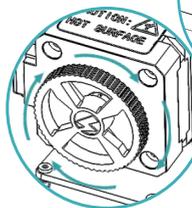
```
Main ↑
Auto Home
Move Axis →
Temperature →
Preheat PLA →
```

```
Move Axis →
Temperature →
Preheat PLA →
Preheat ABS →
Disable Steppers
```

- 1 Cliquez sur « Préchauffage » → Préchauffer PLA/ABS
- 2 Une fois que la température a atteint la température cible, coupez l'extrémité avant du filament à un angle oblique de 45° et insérez-le dans l'entrée d'environ 20 mm, maintenez-le avec votre main et tournez la roue dans le sens des aiguilles d'une montre jusqu'à ce que vous voyiez les consommables sortir de la buse.



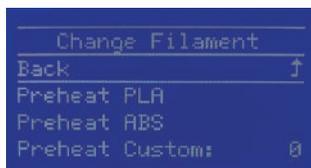
Si vous ressentez une résistance en tournant et si vous avez du mal à tourner, déverrouillez le moteur.
Pour déverrouiller le moteur : cliquez sur « Préchauffage » → « Désactiver le stepper ».



7 Remplacement des consommables



- 1 Appuyez sur le bouton > Écran principal → Changer les consommables → Oui.



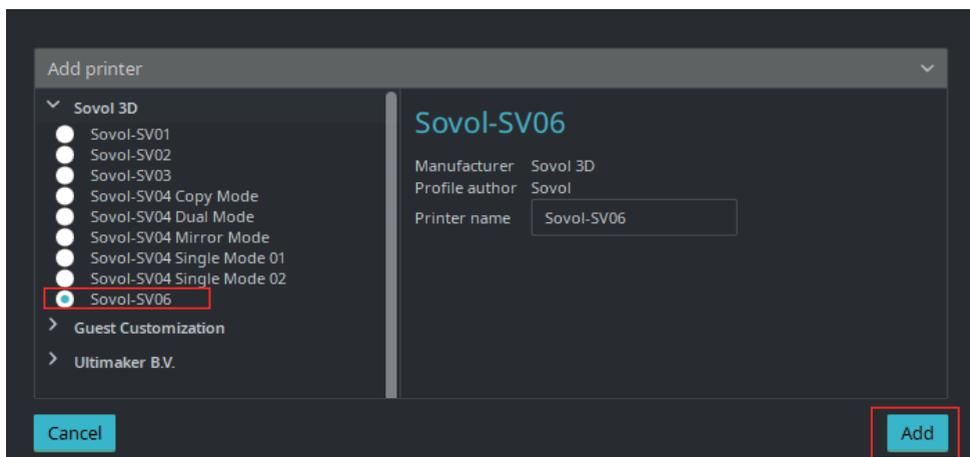
- 2 Sélectionnez l'option appropriée en fonction du type de consommables que vous utilisez, vous pouvez également sélectionner une température personnalisée et attendre que la température monte.
- 3 Une fois que la température a atteint la température cible, la machine renvoie les consommables vers le port d'alimentation et vous pouvez retirer les consommables et en insérer de nouveaux pour commencer à imprimer.

8 Prêt à l'impression

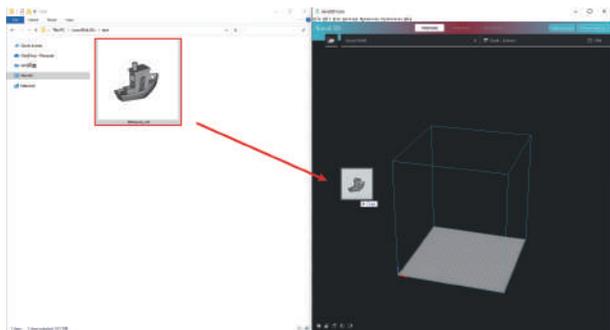


Sovol3D_Cura-1.5.0-win64

- 1 Double-cliquez sur le fichier « Sovol-Cura » installé sur la carte TF.

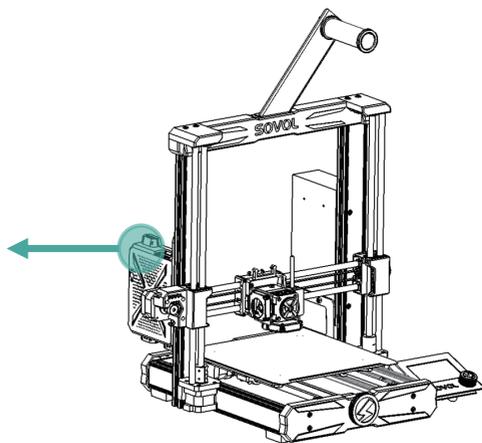
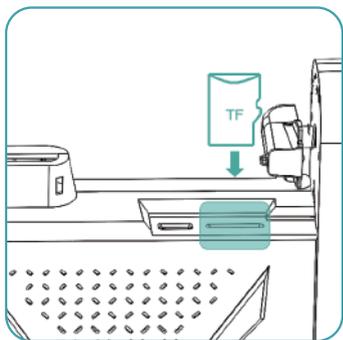
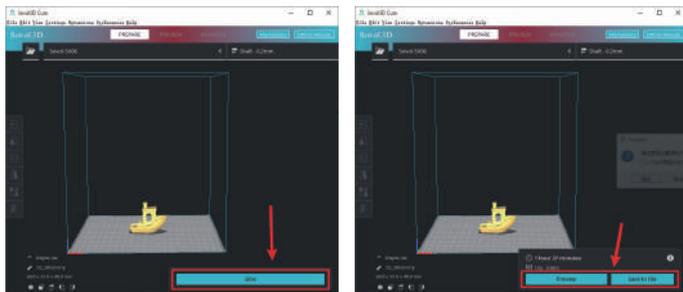


- 2 Sélectionnez et ajoutez SV06.



- 3 Sélectionnez et ajoutez le modèle que vous voulez imprimer.

- 4 Cliquez sur la tranche et enregistrez le fichier sur la carte TF.

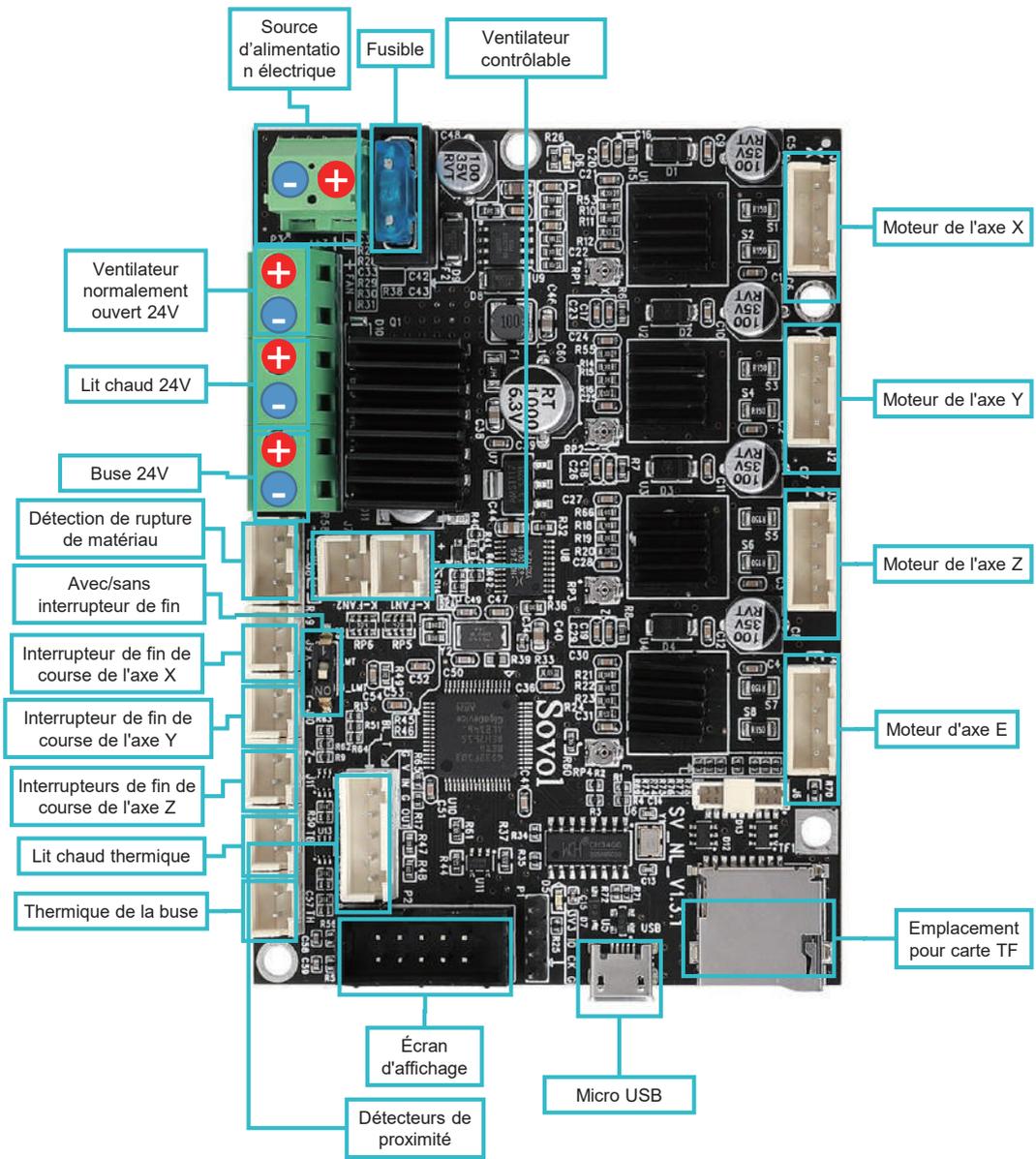


- 5 Insérez le TF dans la fente pour carte située sur le dessus du boîtier de commande de la machine.



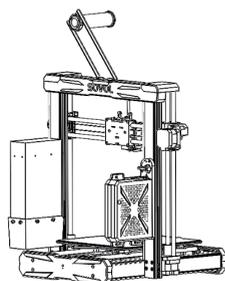
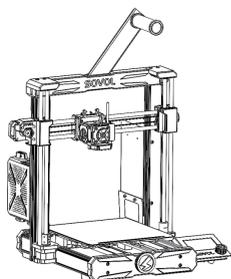
- 6 Cliquez sur « Imprimer à partir d'un support » → sélectionnez le fichier à imprimer.

9 Carte mère



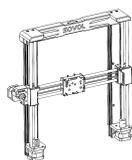
- No utilice la impresora de ninguna manera que no sea la descrita en este manual para evitar lesiones personales o daños a la propiedad.
- No coloque la impresora en un entorno con vibraciones significativas u otros factores de inestabilidad, de lo contrario, la agitación del equipo afectará la calidad de impresión.
- No coloque la impresora cerca de elementos inflamables y explosivos ni cerca de fuentes de calor intenso.
- Mantenga la impresora en un ambiente ventilado, fresco y libre de polvo.
- Es aconsejable el uso de materiales recomendados por el fabricante para evitar daños en el equipo.
- No utilice ningún otro cable de alimentación que no sea el suministrado junto con la impresora. Asegúrese de utilizar siempre un tomacorriente de tres clavijas de puesta a tierra.
- No use guantes de algodón al manejar la impresora. El tejido de este material puede enredarse en las piezas móviles de la impresora provocando quemaduras, lesiones personales o daños en la impresora.
- Espere un momento para sacar lo imprimido después de completar la impresión.
- No es aconsejable utilizar firmware, placa base u cualquier otro componente de terceros, de lo contrario, la garantía quedará anulada.
- Limpie la impresora con frecuencia. Apague siempre la fuente de alimentación antes de la limpieza y elimine con un paño seco el polvo, el plástico impreso adherido o cualquier otro material del pórtico, el riel o el volante. Limpie la superficie de impresión con limpiacristales o alcohol isopropílico.
- Evite que los niños menores de 10 años utilicen la impresora sin supervisión.
- Durante la impresión, no mueva con la mano la boquilla ni el mecanismo de la plataforma de impresión.
- El usuario debe cumplir con las leyes y reglamentos del país y la región donde se encuentra (se utiliza) la impresora y acatar la ética profesional y la obligación de prestar atención a la seguridad. Se prohíbe estrictamente el uso de nuestro producto o equipo para fines ilegales. En ningún caso Sovol se hará legalmente responsable del acto de cualquier infractor.

1 Parámetros del equipo

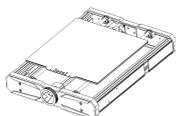


| | |
|------------------------------------|--|
| Modelo | SV06 |
| Idioma del software | Inglés |
| Método de impresión | Tarjeta TF, cable USB |
| Tipo | FDM |
| Número de boquillas | 1 |
| Dimensiones de impresión | 220*220*250mm |
| Velocidad de impresión recomendada | ≤80mm/s |
| Precisión de impresión | ±0.1mm |
| Diámetro de la boquilla | 0,4 mm (reemplazable) |
| Temperatura de la boquilla | ≤300°C |
| Temperatura de la cama caliente | ≤100°C |
| Filamento de soporte | PLA/ABS/PETG/TPU/WOOD |
| Diámetro del filamento | 1.75mm |
| Formato de archivo compatible | G-code |
| Tensión | Entrada: 115/230 V 50/60 HZ Salida: 24 V |
| Sistema operativo | Windows, Linux, Mac |
| Fuente de alimentación | 360W/24V |

2 Lista de elementos



Pórtico



Base



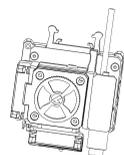
Caja de control



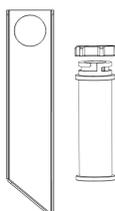
Fuente de alimentación



Pantalla



Ensamblaje del extrusor



Soporte de material

Tool Box



Cable de alimentación



Atadura



Kit de herramientas



Boquilla de repuesto



Pinza tipo tijera



Pin de boquilla



Raspador



Tarjeta TF/ lector



M5X50*4



M4X20*2



M3X5*3

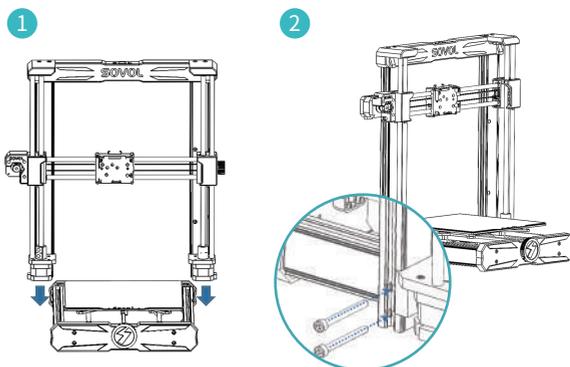
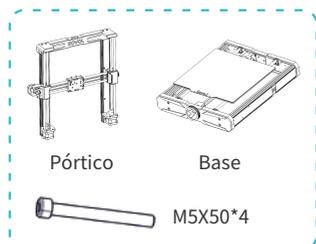


M5X10*2

3 Montaje

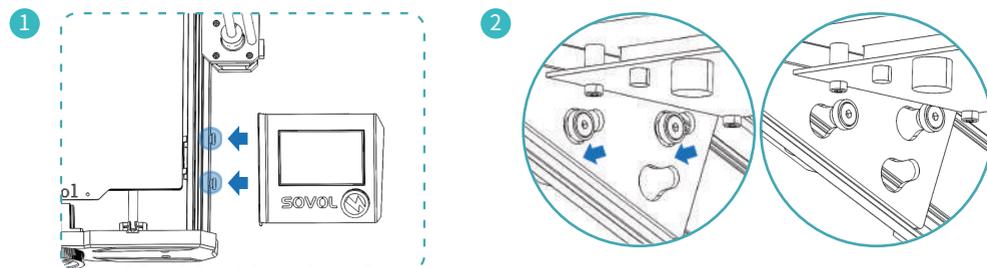
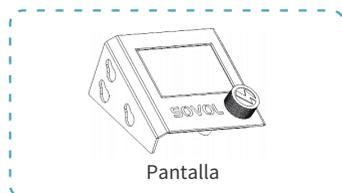
3.1 Instalación del pórtico

- 1 Instale el pórtico con cuatro tornillos M5X50 y apriete los tornillos.



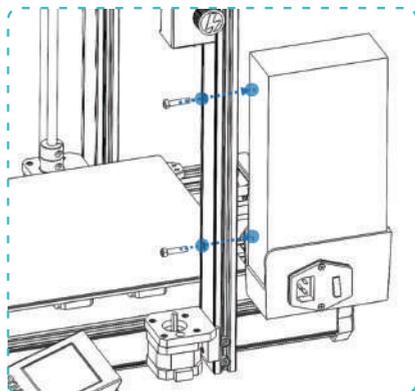
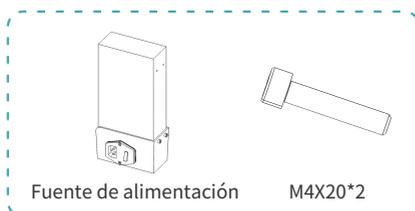
3.2 Instalación de la pantalla

- 1 Fije la pantalla al soporte en el lado derecho de la base
- 2 Empújela hacia abajo en diagonal para que encaje en el soporte.



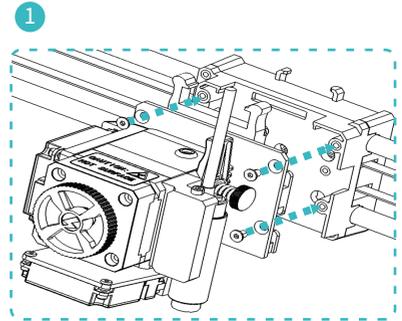
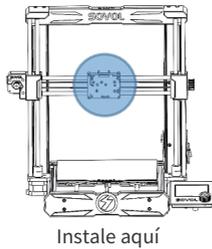
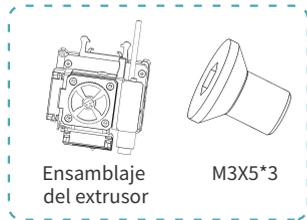
3.3 Instalación de la fuente de alimentación

- 1 Instale la fuente de alimentación en el perfil derecho del pórtico con dos tornillos M4X20 y apriete los tornillos.



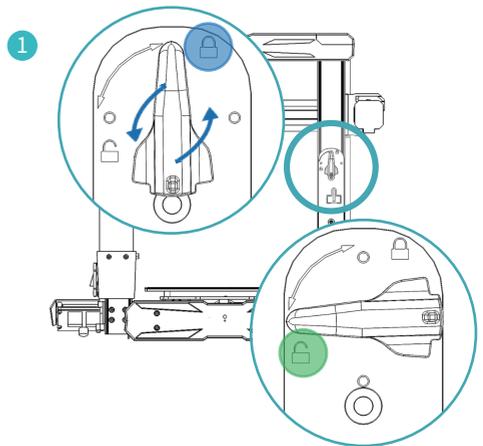
3.4 Instalación del ensamblaje del extrusor

- 1 Instale el ensamblaje del extrusor en el asiento deslizante con tres tornillos M3X5 y apriete los tornillos.



3.5 Instalación de la caja de control

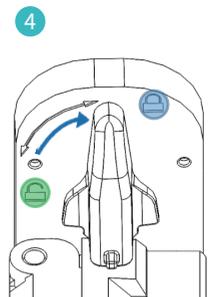
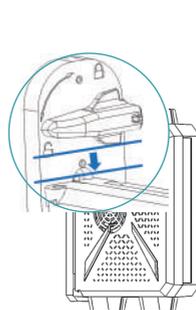
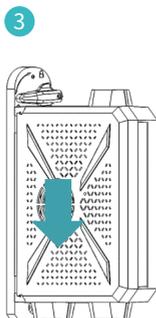
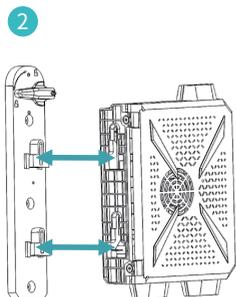
- 1 Gire hacia la izquierda el interruptor de la aeronave en el tablero de conexión de la caja de control para cambiarlo de el estado bloqueado (●) al desbloqueado (●).



- 2 Instale la caja de control en el tablero de conexión.

- 3 Presione toda la caja de control hacia abajo para bloquearla en el tablero de conexión.

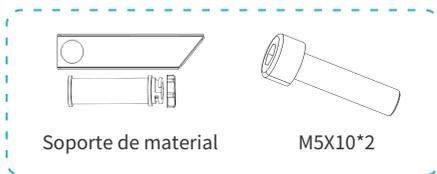
- 4 Gire el interruptor de la aeronave al estado bloqueado (●).



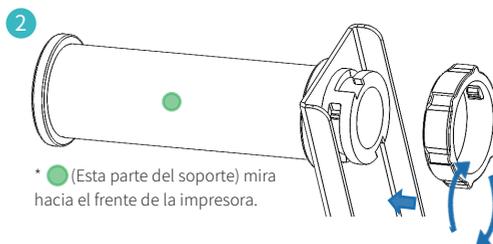
3.6 Instalación del portador de material

1 Instale el tablero del soporte de material con dos tornillos M5X10 en la parte superior de la máquina.

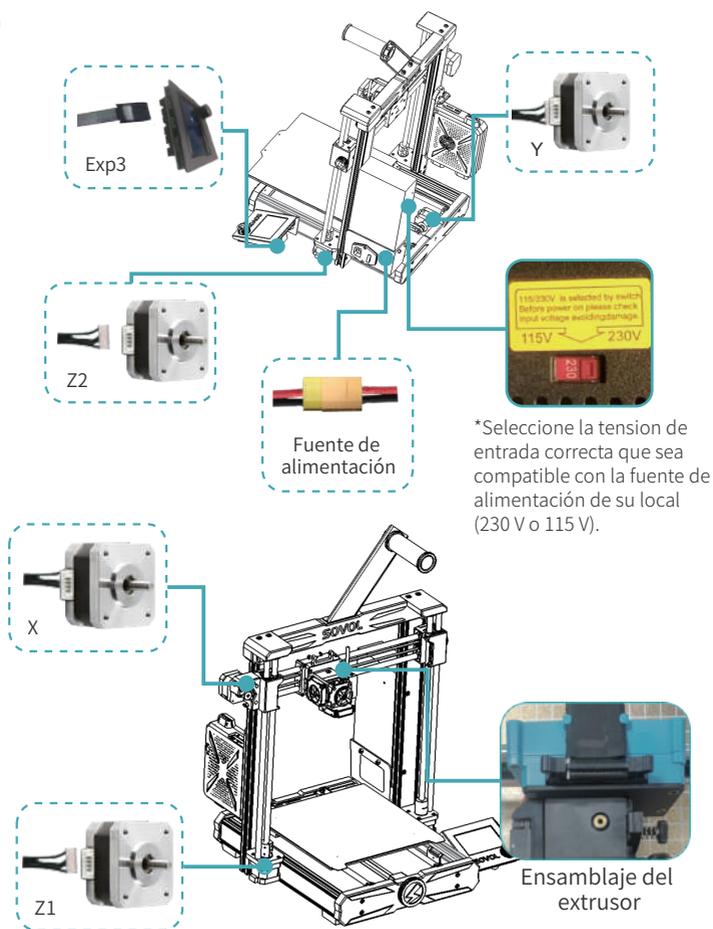
2 Instale el cilindro del soporte.



*La figura muestra la parte posterior de la impresora. Cuando el operador está frente a la parte posterior de la impresora, el soporte de material mira hacia la izquierda.



3.7 Cableado



4 Información de la pantalla

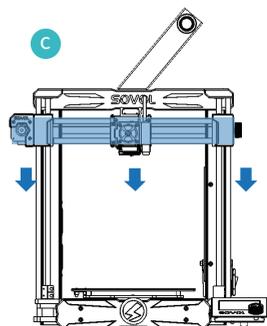
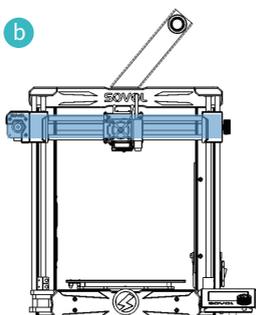
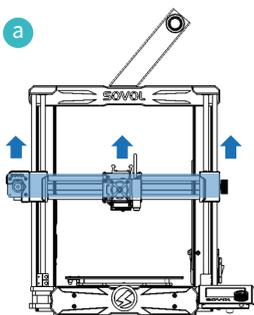
| Info Screen | | | | | |
|--|---|--|-----------------|---------------|------------------|
| Prepare | Bed Leveling | Configuration | Change filament | About Printer | Print from Media |
| <p>Auto Home</p> <ul style="list-style-type: none"> Motion <ul style="list-style-type: none"> Move Axis <ul style="list-style-type: none"> Move 10mm Move 1mm Move 0.1mm Move X <ul style="list-style-type: none"> Move Axis <ul style="list-style-type: none"> Move 10mm Move 1mm Move 0.1mm Move Y <ul style="list-style-type: none"> Move Axis <ul style="list-style-type: none"> Move 10mm Move 1mm Move 0.1mm Move Z <ul style="list-style-type: none"> Move Axis <ul style="list-style-type: none"> Move 10mm Move 1mm Move 0.1mm Move Extruder <ul style="list-style-type: none"> Move Axis <ul style="list-style-type: none"> Move 10mm Move 1mm Move 0.1mm | <p>Auto Home</p> <p>Probe Z offset</p> <p>Level Bed</p> <p>Auto Z-Align</p> | <p>Advanced Settings</p> <ul style="list-style-type: none"> Set Home Offsets Velocity Acceleration Jerk Probe Offsets Steps/mm TMC Drivers PID Settings Filament Store Settings Initialize EEPROM | | Printer Info | |
| <p>Temperature</p> <ul style="list-style-type: none"> Nozzle Bed Fan Speed Preheat PLA Conf <ul style="list-style-type: none"> Fan Speed Nozzle Bed Store Settings Preheat ABS Conf <ul style="list-style-type: none"> Fan Speed Nozzle Bed Store Settings | <p>M48 Probe Test</p> <p>Fade Height</p> | <p>Sound</p> <ul style="list-style-type: none"> On Off | | Thermistors | |
| <p>Preheat PLA</p> <ul style="list-style-type: none"> Preheat PLA Preheat PLA End Preheat PLA Bed | Load Settings | Restore Defaults | | | |
| <p>Preheat ABS</p> <ul style="list-style-type: none"> Preheat ABS Preheat ABS End Preheat ABS Bed | Store Settings | | | | |
| Disable Steppers | | | | | |

5 Nivelación

5.1 Nivelación-1

| | | | |
|-----------------|---|----------------|---|
| Info Screen | ↑ | Main | ↑ |
| Prepare | → | Auto Home | |
| Bed Leveling | → | Probe Z Offset | → |
| Configuration | → | Level Bed | |
| Change Filament | → | Auto Z-Align | |

- 1 Presione la perilla > Interfaz principal → Bed Leveling → Auto Z-Align



La impresora primero se restablecerá de forma automática, luego todo el haz del eje X subirá a la parte superior para la calibración y finalmente bajará para restablecerse de nuevo automáticamente.

5.2 Nivelación-2

| | | | |
|-----------------|---|----------------|---|
| Info Screen | ↑ | Main | ↑ |
| Prepare | → | Auto Home | |
| Bed Leveling | → | Probe Z Offset | → |
| Configuration | → | Level Bed | |
| Change Filament | → | Auto Z-Align | |

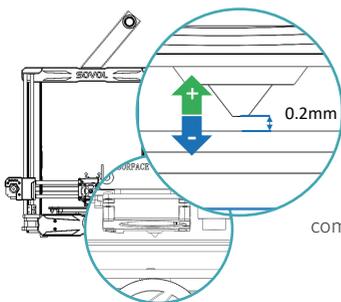
- 2 Haga clic en “Bed Leveling” → Auto Home (solo precalentamiento) → Auto Home



Después del primer clic para restablecer de forma automática, la impresora se precalentará primero: 120 °C para la boquilla, 60 °C para la cama. Después de alcanzar la temperatura esperada, haga otro clic en Auto Home para ejecutar este proceso.

| | | | |
|----------------|---|-----------------|--|
| Main | ↑ | Auto Z-Align | |
| Auto Home | → | M48 Probe Test | |
| Probe Z Offset | → | Fade Height: 10 | |
| Level Bed | | Load Settings | |
| Auto Z-Align | | Store Settings | |

- 3 Después de que la máquina se pare, vuelva a hacer clic en “Probe Z Offset” para ajustar la distancia entre la boquilla y la cama caliente.



Después del ajuste, recuerde tocar “Store Settings”.

Será unos 0,2 mm, equivalente al grosor de una hoja de papel A4. Cuando mueve el papel entre la boquilla y la cama caliente, la boquilla puede dejar rayas en el papel pero no lo presionará por completo, indicando una distancia adecuada.

5.3 Nivelación-3

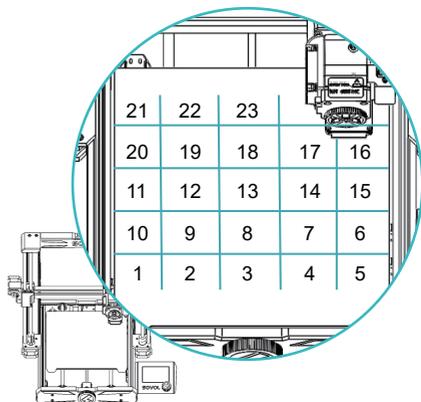


Después de tocar “Level Bed”, la boquilla se calentará a 120 °C y la cama caliente se calentará a 60 °C. En este momento, debe esperar con paciencia y evitar quemaduras.

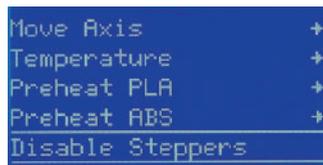
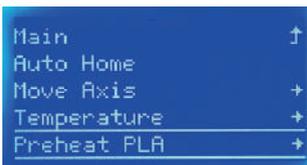
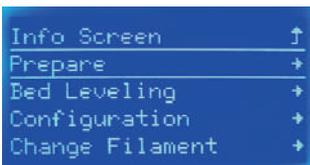


Después del ajuste, recuerde tocar “Store Settings”.

- 4 Después de tocar “Level Bed”, la máquina comenzará a detectar los 25 puntos en la cama caliente.

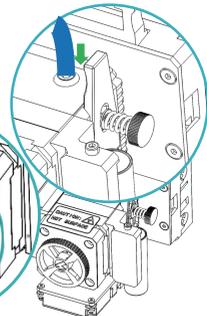
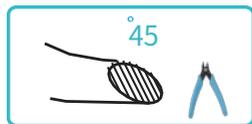


6 Carga de filamentos



- 1 Haga clic en prepare→Preheat PLA/ABS

- 2 Después de que la temperatura alcance el nivel esperado, corte el extremo frontal del filamento en un bisel de 45°, insértelo en la entrada de amaterial hasta unos 20 mm, manténgalo presionado con la mano y gire el volante en sentido horario, hasta que se vea que el filamento se expulse de la boquilla.



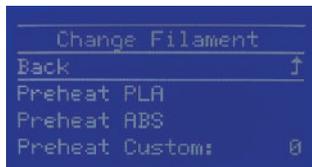
Si siente resistencia al girar el volante y es difícil girarlo, desbloquee el motor.

Pasos para desbloquear el motor: Toque “Prepare” → “Disable Steppers”.

7 Reemplazo de filamentos



- 1 Presione la perilla > Interfaz principal → Change Filament → Yes



- 2 Seleccione la opción que corresponda al tipo del filamento que utilice, o opte por personalizar la temperatura y espere a que la temperatura aumente después de seleccionar la opción.

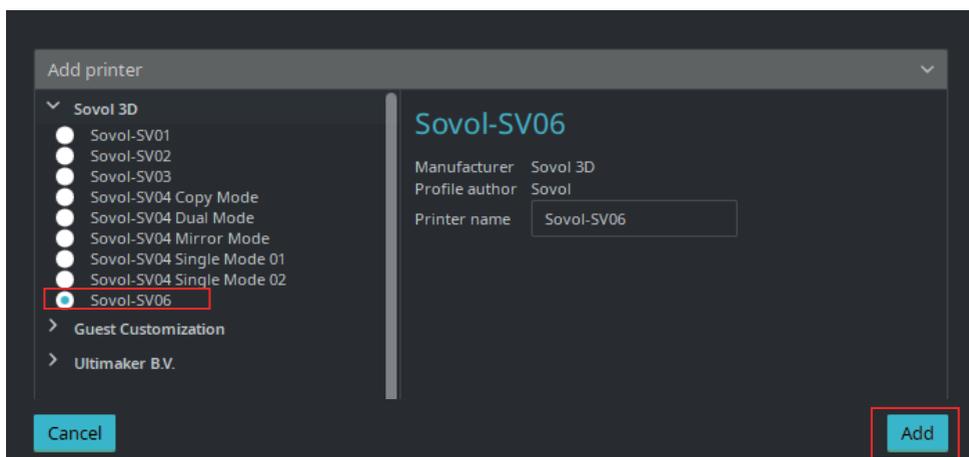
- 3 Espere a que la temperatura alcance el nivel esperado, para que la máquina retire el filamento al puerto de alimentación. Puede extraer el filamento e insertar un nuevo para comenzar la impresión.

8 Preparación para la impresión

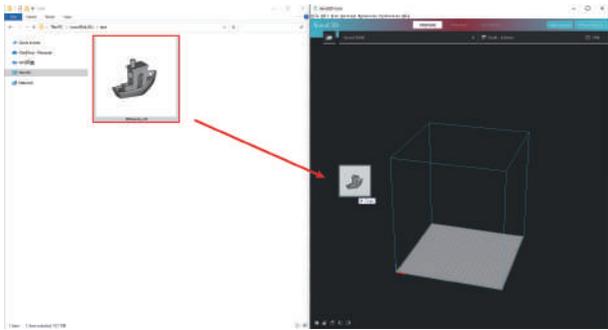


Sovol3D_Cura-1.5.0-win64

- 1 Haga doble clic en el archivo “Sovol-Cura” instalado en la tarjeta TF.

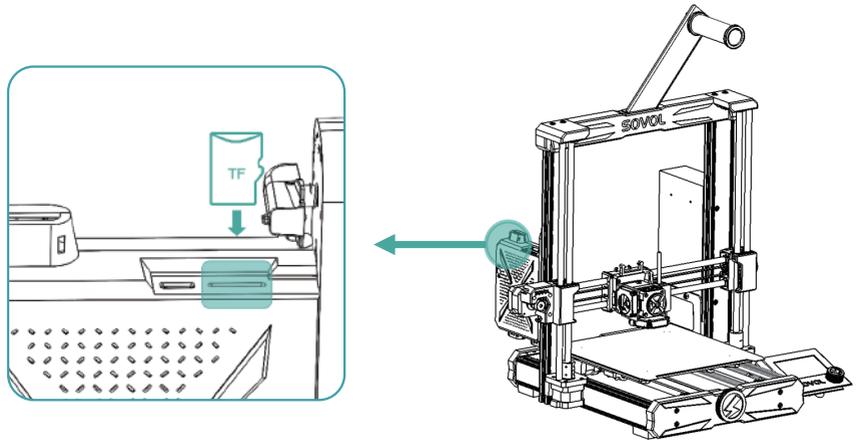
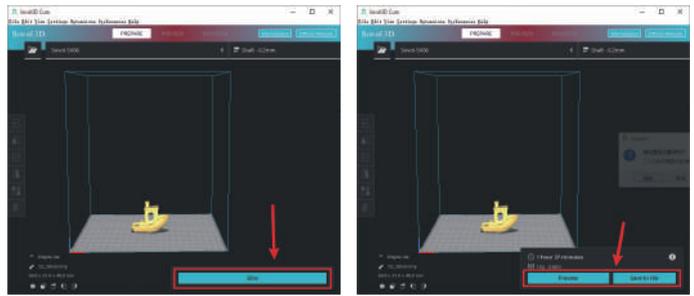


- 2 Seleccione Agregar SV06.

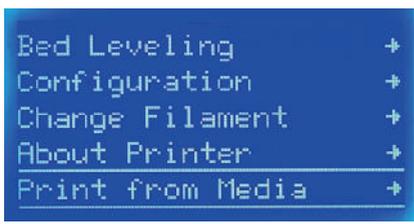


3 Seleccione y agregue el modelo que desea imprimir.

4 Haga clic en cortar y guarde el archivo en la tarjeta TF.

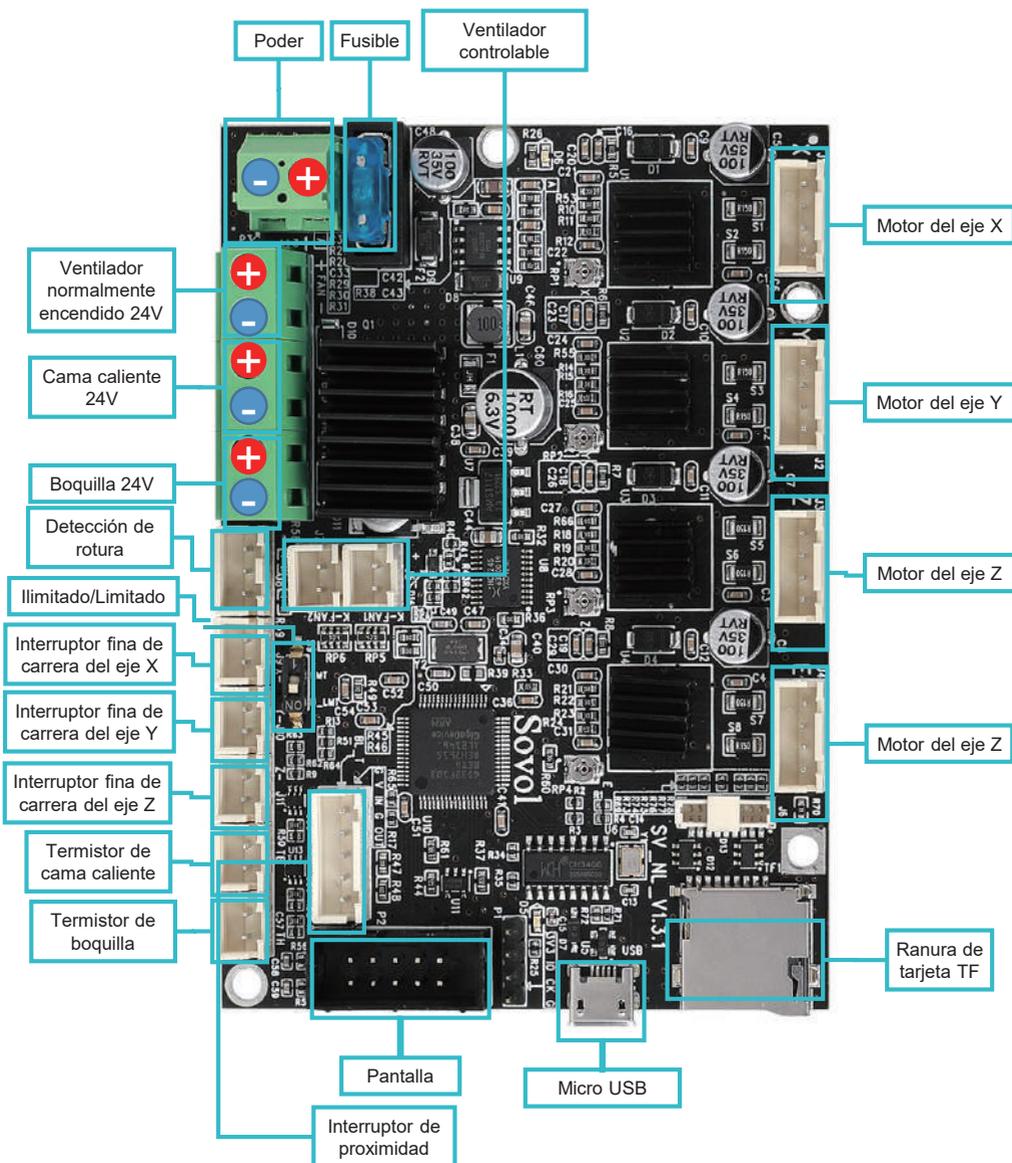


5 Inserte la tarjeta TF en la ranura sobre la caja de control.



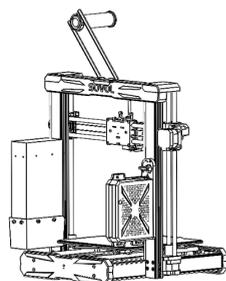
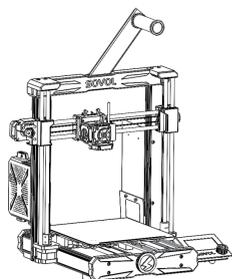
6 Haga clic en "Print from Media" → seleccione el archivo a imprimir.

9 Placa base



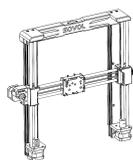
- 怪我と財産の損失を起こさないように、ここで述べられないほかのやりかたで印刷をご利用しないでください。
- プリンターを強く振動し、あるいは不安定な場所に起きてはいけません。マシンの揺れでプリンターの印刷は影響を受けます。
- マシンを可燃物と爆発物あるいは高熱源に近い場所に置かないでください。
- マシンを空気を通しやすく、陰で涼しくて埃がない環境においてください。
- マシンが壊れないようにメーカーが勧める材料をご利用ください。
- マシンに付いている電源線以外の電源線を使わないでください。いつでも地面につなぐ三角コンセントを使ってください。
- プリンターをご利用するときは綿の手を手袋にはめないでください。綿はプリンターの稼働している部品に纏まるとは、焼き傷・怪我・プリンター損害などが起こるかも知れません。
- 印刷完了後は少し待ってから印刷のものを出したほうがお勧められます。
- 第三側の固定部品とメインボードを使っては修理保証は無効になるので、お勧めしません。
- プリンターをよくクリーンしてください。クリーンをするときは電源を必ず切って、フレームや滑り座と歯車の埃と、貼り付いている印刷プラスチックやほかの材料を乾い雑巾で拭いてください。ガラス洗剤や2-ブロパノールで印刷の表を清潔すればよい。
- 10歳以下の子供は後見されない場合はプリンターを利用しては行けません。
- 印刷の途中では手でノズルと印刷のプラットフォームを移動しないでください。
- 利用者は設備の所在地の国と地域の法律に従い、職業のモラルを守り、安全義務をご注意になるべきです。こちらの製品と設備をいかなる違法用途に使ってはいけません。いかなる状況でも、Sovollはいかなる違反者の法律責任は負いません。

1 設備のパラメータ

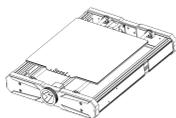


| | |
|----------------|-----------------------------------|
| タイプ | SV06 |
| ソフトウェアの言語 | 日本語 |
| 印刷方法 | TFカード、USBケーブル |
| タイプ | FDM |
| ノズルの数 | 1 |
| 印刷サイズ | 220*220*250mm |
| お勧めの印刷速度 | ≤80mm/s |
| 印刷精度 | ±0.1mm |
| ノズル直径 | 0.4mm (入れ替わり可能) |
| ノズル温度 | ≤300°C |
| 熱床温度 | ≤100°C |
| サポートの消耗材 | PLA/ABS/PETG/TPU/WOOD |
| 消耗材直径 | 1.75mm |
| 支持されるドキュメントタイプ | G-code |
| 電圧 | インプット:115/230V 50/60HZ アウトプット:24V |
| オペレーションシステム | Windows, Linux, Mac |
| 電源 | 360W/24V |

2 パーツリスト



ガントリークレーン



ベース



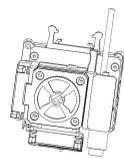
コントロールボックス



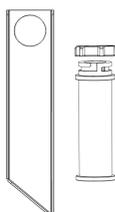
電源



ディスプレイ



線り出し機部品



ラック

Tool Box



電源線



バインド



ツールバッグ



スペアノズル



ハサミ



ノズルの清潔ハリ



ショベル



TFカード・カードリーダー



M5X50*4



M4X20*2



M3X5*3

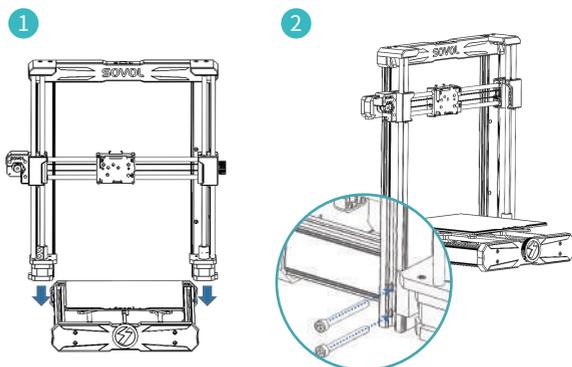
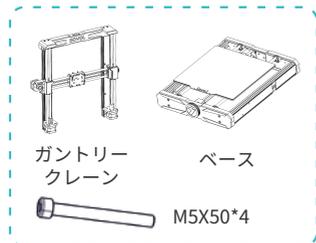


M5X10*2

3 組立

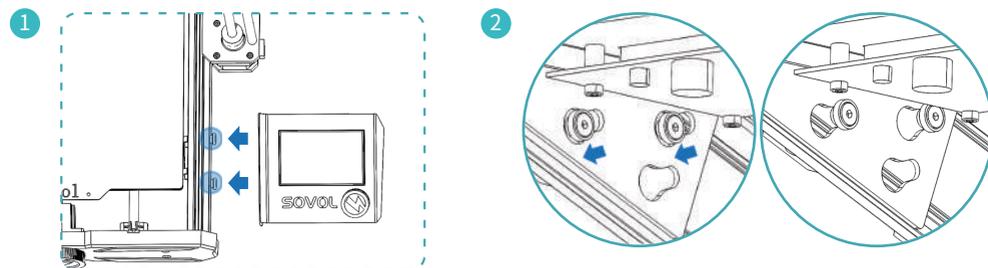
3.1 ガントリークレーンの取り付け

- 1 M5X50ネジ4枚でガントリークレーンを取り付け、ネジをキツくします。



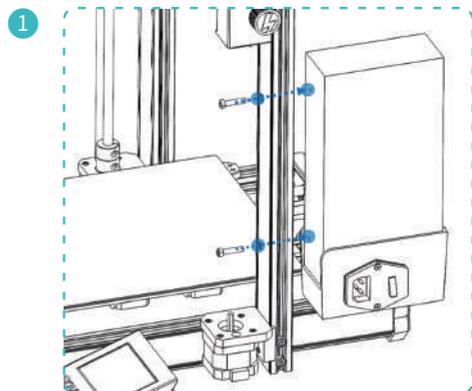
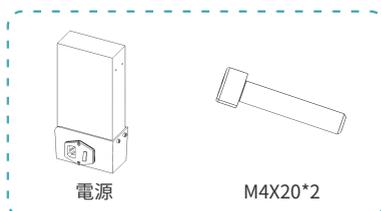
3.2 ディスプレイの取り付け

- 1 ディスプレイをベースの右側のブラケットに取り付けます。
- 2 対角線に沿って下へ押し、ブラケットに付けるようします。



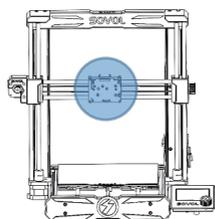
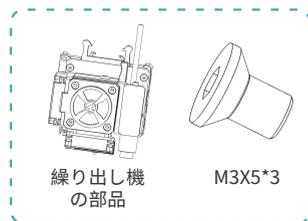
3.3 電源の取り付け

- 1 M4X20ネジ2枚で電源をガントリークレーン右側のセッションスティールに取り付け、ネジをキツくします。

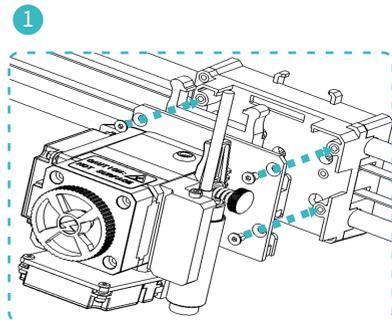


3.4 繰り出し機部品の取り付け

- 1 M3x5ネジ3枚で繰り出し機部品の取り付けを滑り座に取り付け、ネジをキツくします。

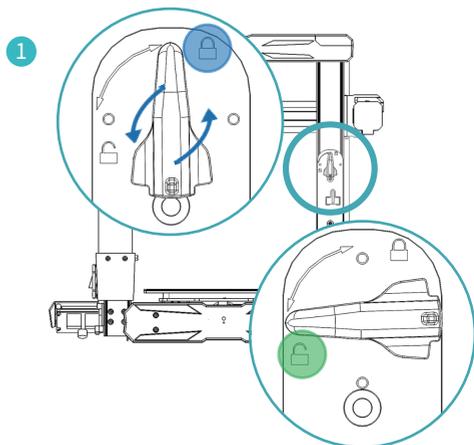


ここに取付けます



3.5 コントロールボックスの取り付け

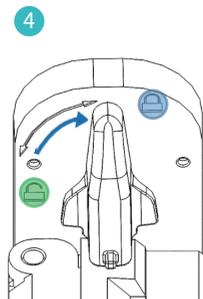
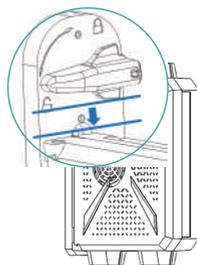
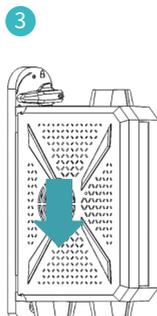
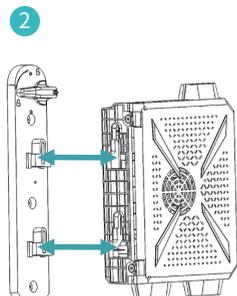
- 1 コントロールボックスの飛行機のスイッチを ● ロックオンから左へ ● ロックオフまで捻じます



- 2 コントロールボックスをかけ板に取り付けます。

- 3 コントロールボックスを下へ押し、かけ板の上にロックオンします。

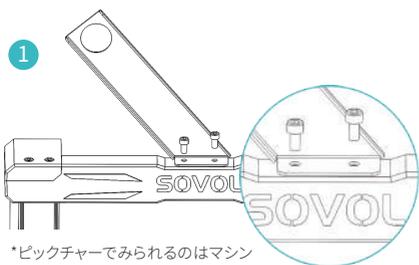
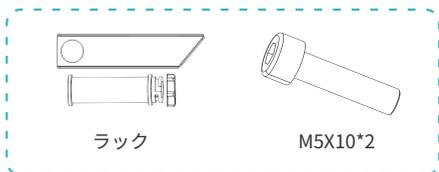
- 4 飛行機をもう一度スイ ● ッチにロックオンまで捻じます。



3.6 ラックの取り付け

1 M5X10ネジ2枚でラック板をマシンの上に取り付けます。

2 ラックチューブを取り付けます

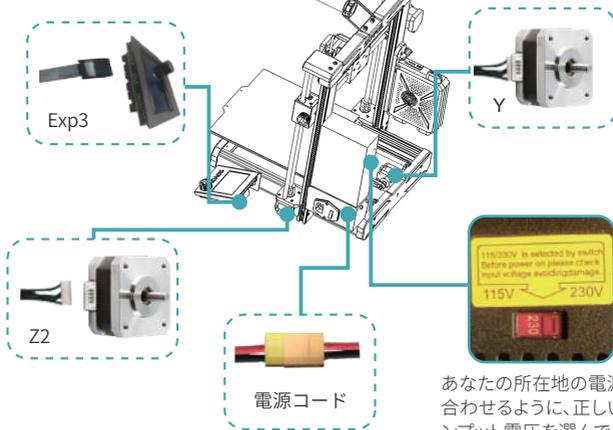


*ピクチャーで見られるのはマシンの背面です。マシンの背面があなたに向ける場合、ラックは左側へ向けます。

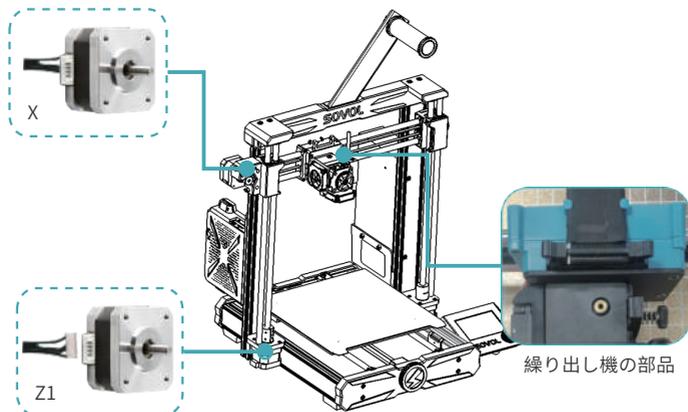


* (ラックにあるこの部分) はマシンの正面へ向かっています。

3.7 ケーブルにつなぐ



あなたの所在地の電源に合わせるように、正しいインプット電圧を選んでください。(230V or 115V).



4 ディスプレイの情報

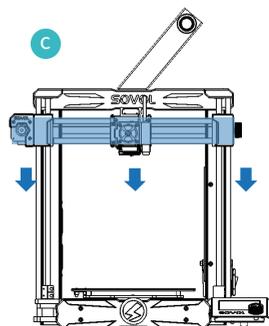
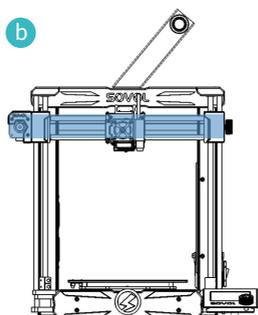
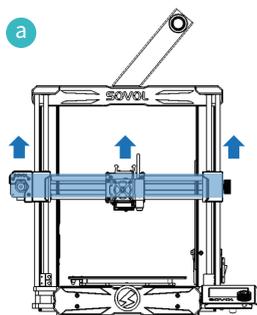
| Info Screen | | | | | |
|--|--|---|-----------------|---------------|------------------|
| Prepare | Bed Leveling | Configuration | Change filament | About Printer | Print from Media |
| Auto Home Move Axis <ul style="list-style-type: none"> Motion <ul style="list-style-type: none"> Move Axis Move 10mm Move 1mm Move 0.1mm Move X <ul style="list-style-type: none"> Move Axis Move 10mm Move 1mm Move 0.1mm Move Y <ul style="list-style-type: none"> Move Axis Move 10mm Move 1mm Move 0.1mm Move Z <ul style="list-style-type: none"> Move Axis Move 10mm Move 1mm Move 0.1mm Move Extruder <ul style="list-style-type: none"> Move Axis Move 10mm Move 1mm Move 0.1mm | Auto Home Probe Z offset Level Bed Auto Z-Align | Advanced Settings <ul style="list-style-type: none"> Set Home Offsets Velocity Acceleration Jerk Probe Offsets Steps/mm TMC Drivers PID Settings Filament Store Settings Initialize EEPROM | | Printer Info | |
| Temperature <ul style="list-style-type: none"> Nozzle Bed Fan Speed Preheat PLA Conf <ul style="list-style-type: none"> Fan Speed Nozzle Bed Store Settings Preheat ABS Conf <ul style="list-style-type: none"> Fan Speed Nozzle Bed Store Settings | M48 Probe Test Fade Height Load Settings Store Settings | Sound <ul style="list-style-type: none"> On Off | | Thermistors | |
| Preheat PLA <ul style="list-style-type: none"> Preheat PLA Preheat PLA End Preheat PLA Bed | | Restore Defaults | | | |
| Preheat ABS <ul style="list-style-type: none"> Preheat ABS Preheat ABS End Preheat ABS Bed | | | | | |
| Disable Steppers | | | | | |

5 レベリング

5.1 レベリング-1

| | | | |
|-----------------|---|----------------|---|
| Info Screen | ↑ | Main | ↑ |
| Prepare | → | Auto Home | |
| Bed Leveling | → | Probe Z Offset | → |
| Configuration | → | Level Bed | |
| Change Filament | → | Auto Z-Align | |

- 1 ノブを押し> メインインターフェース→レベリング→Z軸の自動アライメント



マシンはゼロ戻りしてから、x軸のけたは頂上に上がり、そしてまた下がつてゼロ戻ります。

5.2 レベリング-2

| | | | |
|-----------------|---|----------------|---|
| Info Screen | ↑ | Main | ↑ |
| Prepare | → | Auto Home | |
| Bed Leveling | → | Probe Z Offset | → |
| Configuration | → | Level Bed | |
| Change Filament | → | Auto Z-Align | |

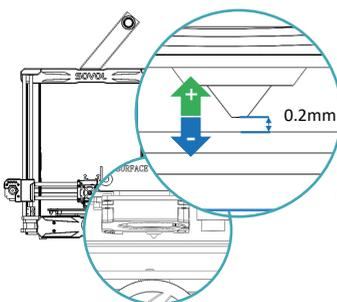
- 2 「レベリング」をクリック→ゼロ戻り(予熱するだけ)→ゼロ戻り



ゼロ戻りを初めてクリックすると、マシンはノズル120度、ベッド60度で予熱します。予定の温度になったら、これを稼働させるようにもう一度ゼロ戻りをクリックしてください。

| | | | |
|----------------|---|-----------------|--|
| Main | ↑ | Auto Z-Align | |
| Auto Home | | M48 Probe Test | |
| Probe Z Offset | → | Fade Height: 10 | |
| Level Bed | | Load Settings | |
| Auto Z-Align | | Store Settings | |

- 3 マシンが止まったら、前に戻って「プロベZオフセット」をクリックし、ノズルとヒートベッドの距離を調整します。



調整の後は、「ストアセッティングをクリックすることを忘れないでください。」

およそ0.2mmで、ちょうどA4紙の厚さです。ノズルとヒートベッドの間に紙を引き出すとき、ノズルは紙にキズを残すが、紙を完全に抑えていない場合は、つまり距離が適切です。

5.3 レベリング-3

```

Main          ↑
Auto Home
Probe Z Offset  →
Level Bed
Auto Z-Align
  
```

```

Auto Z-Align
M48 Probe Test
Fade Height:   10
Load Settings
Store Settings
  
```

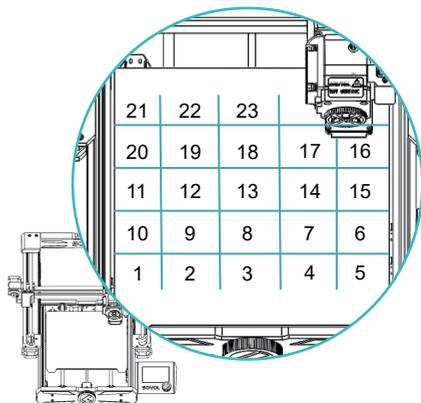


「レベリング」をクリックしてからは、ノズルを120度、ヒートベッドは60度上がるので、火傷に注意して気長にお待ちください



調整の後は、「設定保存」をクリックすることを忘れないでください。

- 4 そして「レベリング」をクリックし、マシンはヒートベッドの25つの点を探測し始めます。



6 消耗材入れ

```

Info Screen  ↑
Prepare      →
Bed Leveling →
Configuration →
Change Filament →
  
```

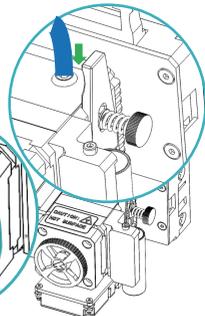
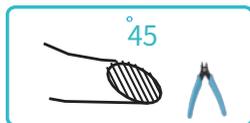
```

Main          ↑
Auto Home
Move Axis     →
Temperature   →
Preheat PLA   →
  
```

```

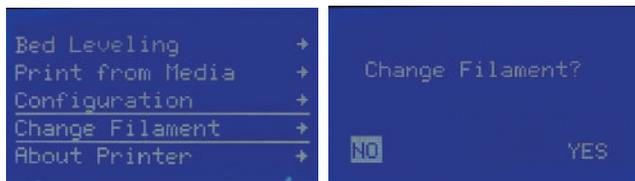
Move Axis    →
Temperature  →
Preheat PLA  →
Preheat ABS  →
Disable Steppers
  
```

- 1 予熱と予熱PLA/ABSをクリックします。
- 2 温度が目標に上ったら、フィラメントの前端を45度の斜角に裁ち、ラックの口に20mmぐらい差し入れて、手で押さえながら、時計回りでルーレットを消耗材がノズルから押し出されるまで回します。

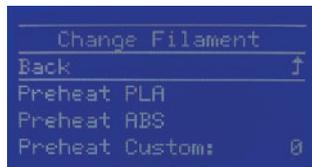


ルーレットを回すときは抗力で回しがたいと感じるなら、電機をロックアウトをしてください。電機ロックアウトのステップ:「予熱」をクリック、「ステッパーモーター利用禁止」

7 消耗材チェンジ



- 1 ノブを押して>メインボード→消耗材チェンジ→イエス



- 2 ご利用になる消耗材のタイプによりふさわしい選択しをします。自定義温度をしても良いです。自定義温度をしたら、温度の上昇を待ってください。

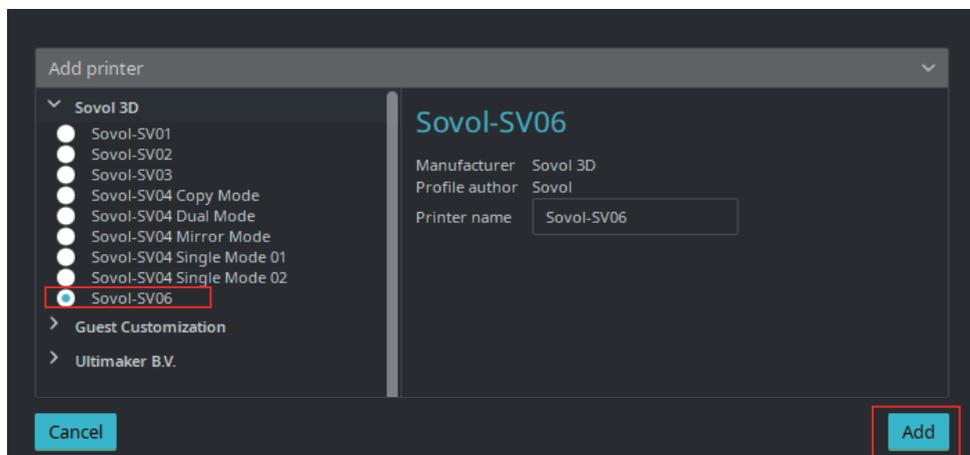
- 3 目標温度に上ると、マシンは消耗材をオリフィスに逆に抜き出します。消耗材を抜き出して新しい消耗材を差し入れてから印刷を始めても良いです。

8 印刷用意

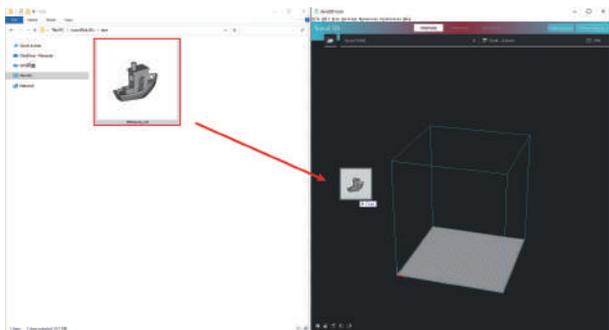


Sovol3D_Cura-1.5.0-win64

- 1 TFカードにインストールされたドキュメント「Sovol-Cura」をダブルクリックします。

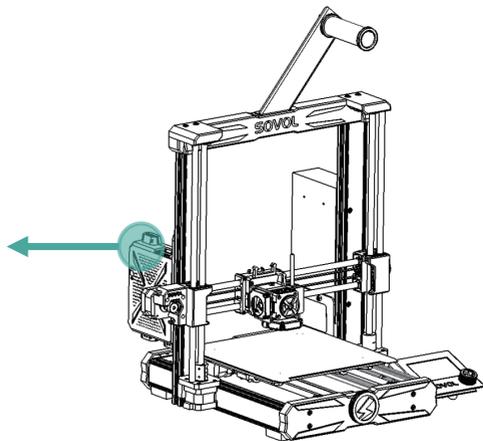
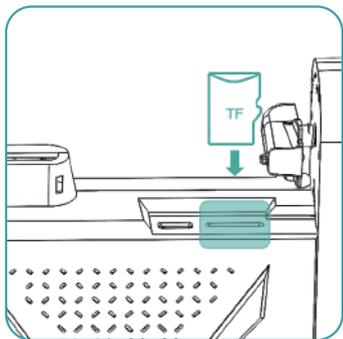
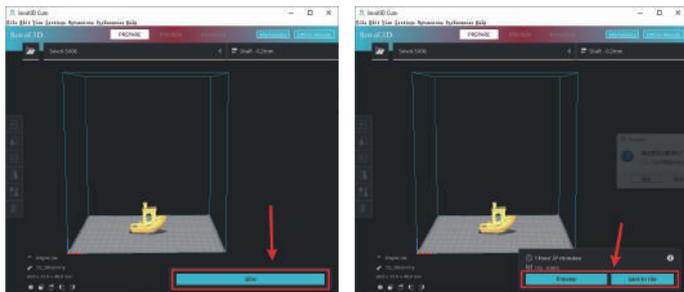


- 2 SV06の添付をします。



3 リントしたいモデルを添付します。

4 スライスをクリックし、ドキュメントをTFカードに保存します。

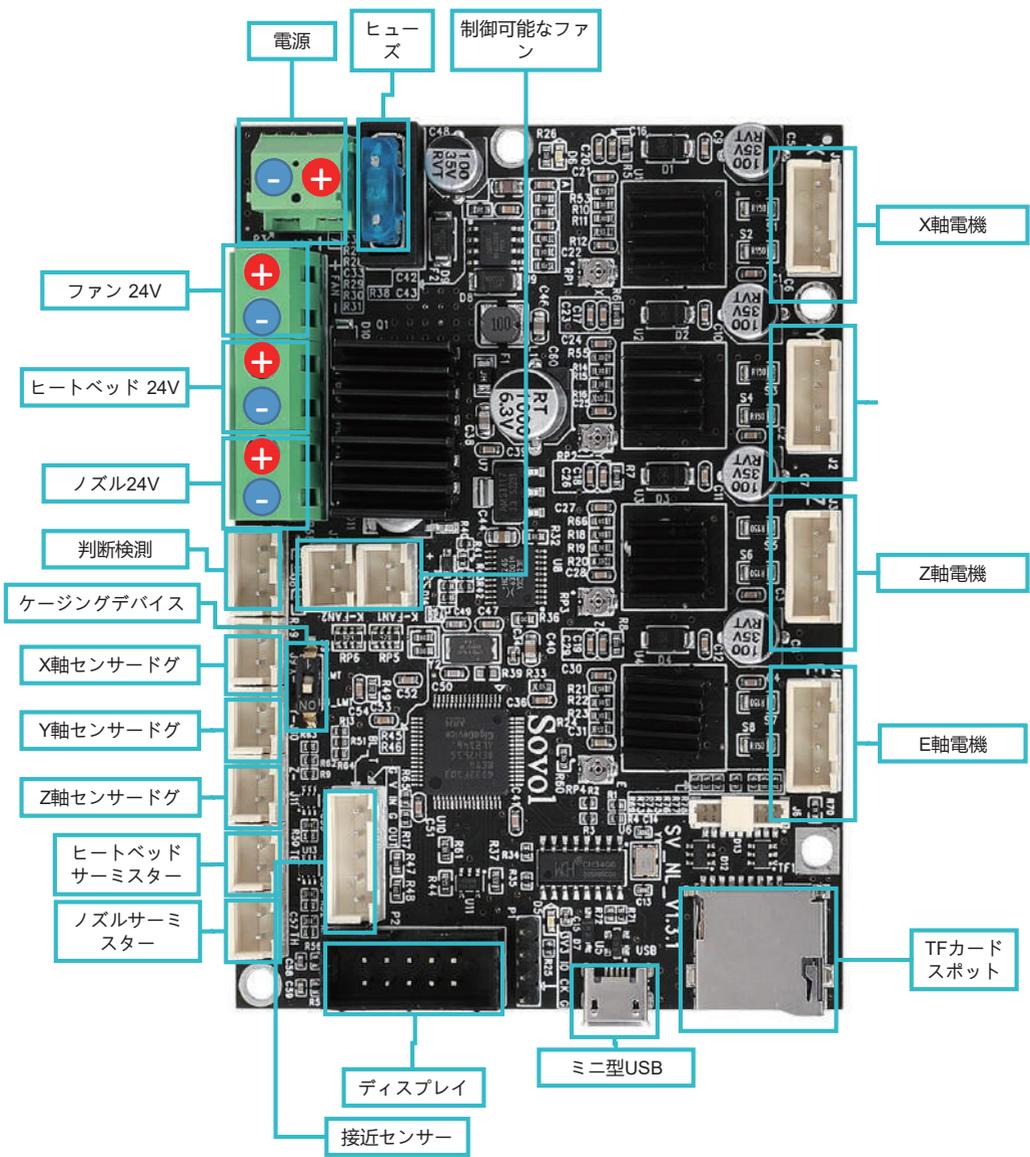


5 TFをコントロールボックスの上のカードスロットに差し入れます。



6 「印刷フロムメディア」をクリック→印刷のドキュメントをします

9 メインボード





sovol support group



sovol official website

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