IME3D X-MAKER 3D Printer User Manual

Contents

IME3D X-MAKER 3D Printer

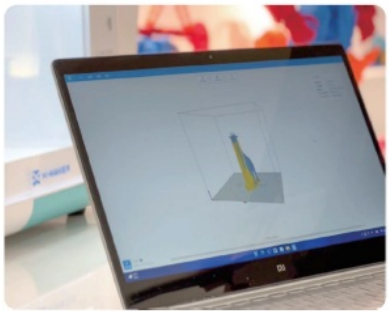
Hi, let’s know about X-MAKER.
X-MAKER is a smart multifunctional 3D printer, which is a brand new product with gamify 3D design apps. One-press printing, with minimalist interaction design,intelligent data process and high-speed Wi-Fi transmission, makes this 3D printer available to everyone to create everything.X-MAKER is not only a 3D printer, but also equipped with powerful software and rich content, including “Things”, “Theme”, “Design” , “Explore” and other channels. This product is constantly updated. No matter you are a beginner or an advanced player, you will always
have new ways to play.
X-MAKER-MAKE CREATIVITY TOUCHABLE.

Our Product

Product Ingredients

X-MAKER 3D Printer

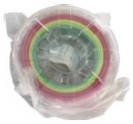
X-MAKER Design App



X-PRINT Slicing Software

Packing List

3D Printer



PLA Filament

Filament Holder

Power Cord

Flexible & Magnetic Baseplate

Pliers

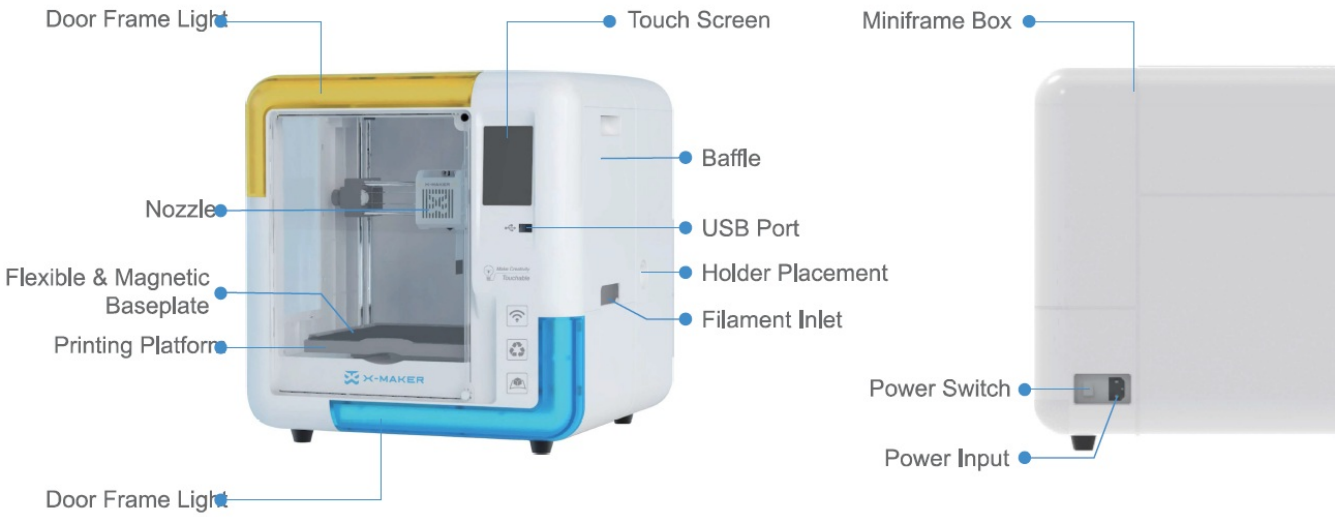
Tool Kit

Quick Start

U Disk

- Printable creative models
- X-MAKER App installer
- X-PRINT installer

X-MAKER 3D Printer

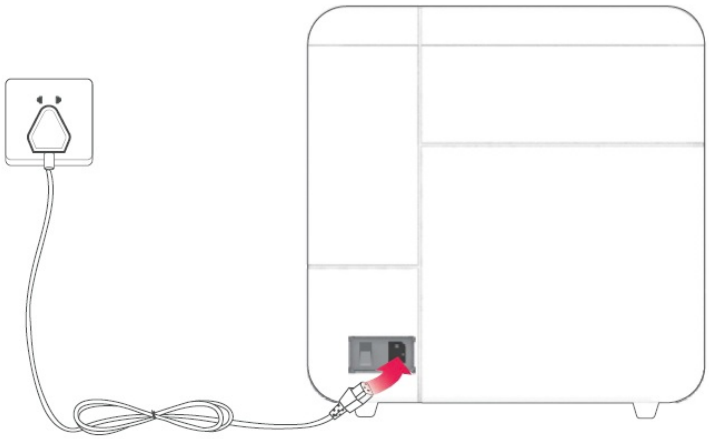


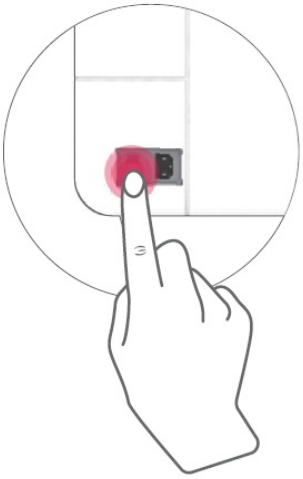
3D Printer

Power On

Plug-in

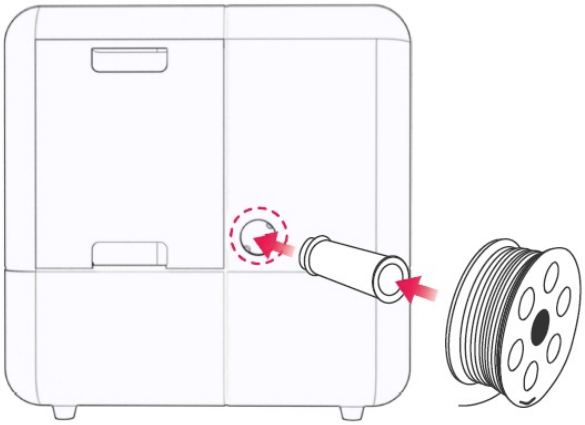
Take out the power cord and connect the printer to the power socket. (Please keep your hands dry.)

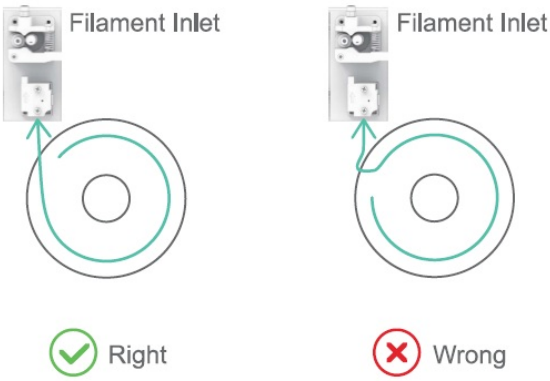




Power-on
Press the power switch to start the printer.

Install Filament Holder

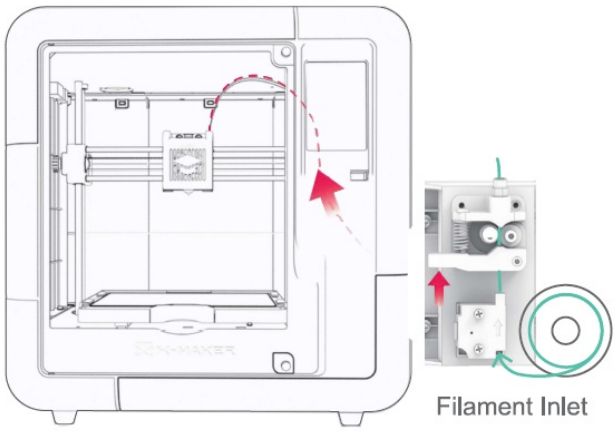




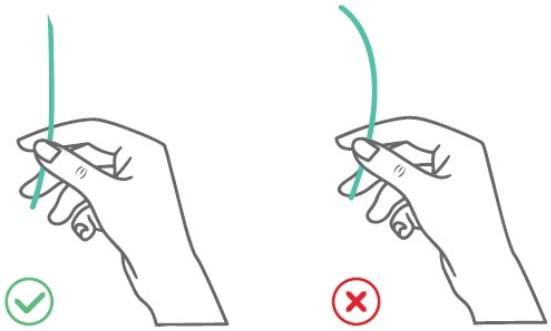
Install filament holder
Install the holder on the mainframe box and place the filaments.

Place the filament
Place the filament on the holder.
{Please make sure the filaments are not knotted or intersected.)

Install Filament



Filament Inlet

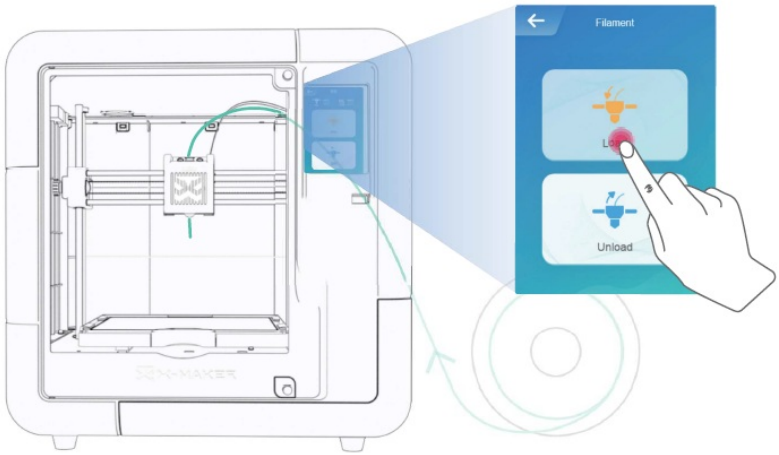


Note: The head end of filament should be straightened and cut into an oblique angle.

Instruction

Feed the filament into the guide pipe for about 3-5cm. Push the spring upward (as shown by the red arrow in the figure), to make the filament enter smoothly.

Load Filament



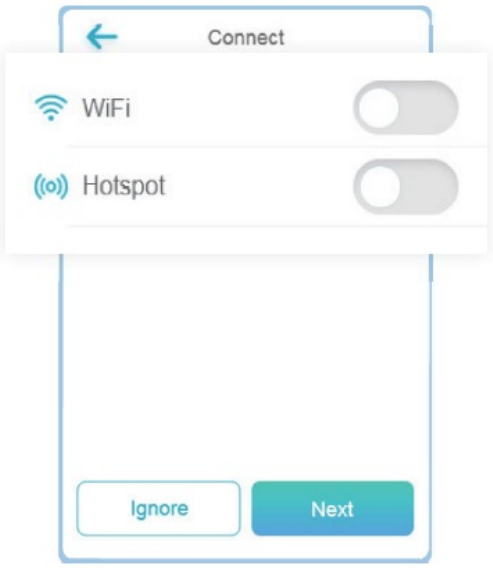
Loading has completed when filament outflows from nozzle.
(Note: Please clean the filament residue on nozzle before printing.)

Instruction

Click “Filament-> Load” on screen and wait for heating until the filament outflows from nozzle. Please repeat the above operation if the filament doesn’t outflow.

Boot Settings

When the printer is powered on, please set up the 3D printer according to the prompts.

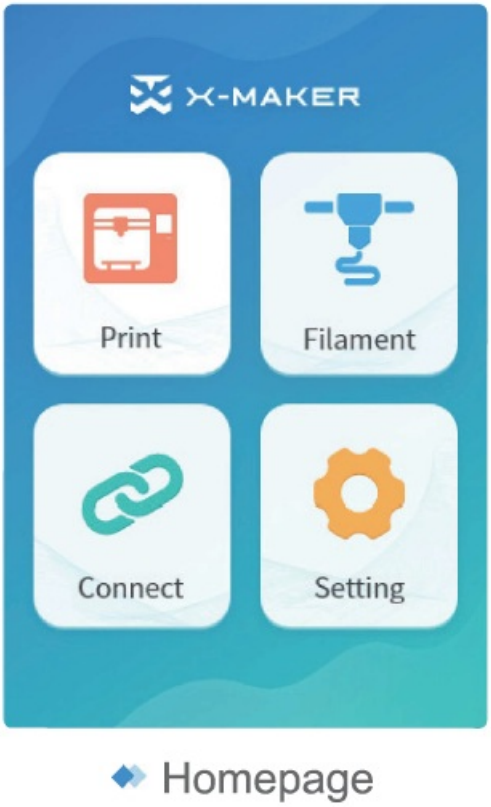


Choose Language
Select your needed language. You can also click “Settings -> Language” to change it.

Connection
Wi-Fi: With the same WLAN, X-MAKERApp can be connected to the printer.
Hotspot: When no WLAN network is available, hotspot on the printer can provide Internet access to the App.

Functions

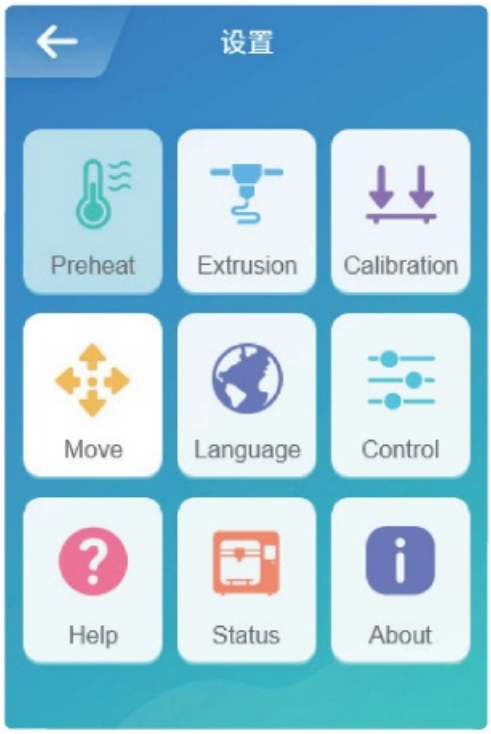
Printing: Select and print a document
Filament: Smart loading and unloading
Connection: Wi-Fi Hotspot connection
Settings: More settings



Homepage

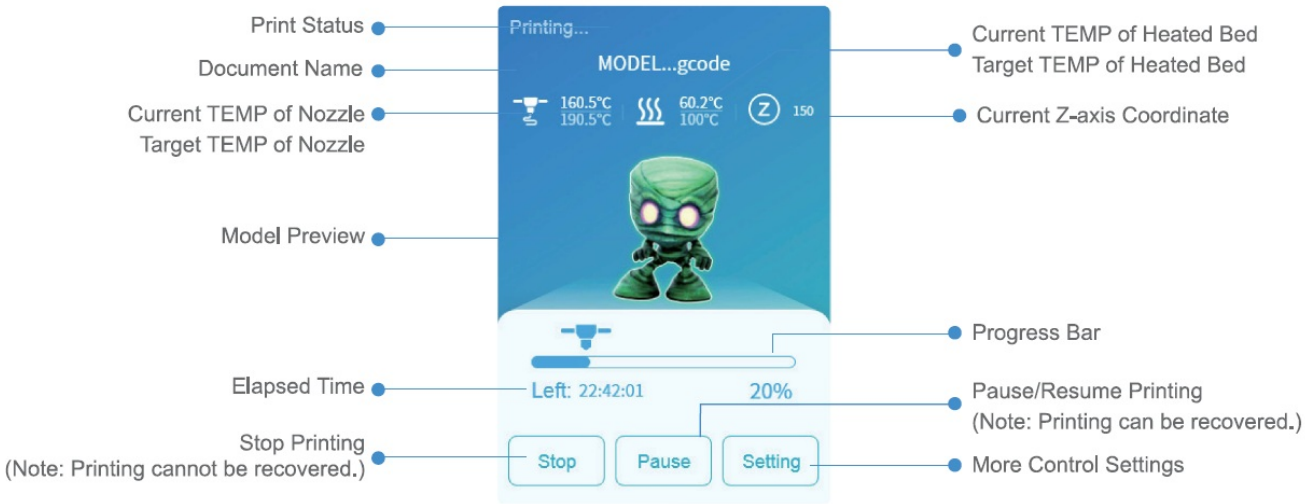
Preheat: Warming and cooling of nozzle and heated bed

Extrusion: Manual loading and unloading
Calibration: Level the baseplate
Move: Move the X axis, Y axis and Z axis
Language: Switch language
Control: Switches for light, fan and resuming printing after power failure
Support: More information
Status: Printer status
About: Printer information



Settings

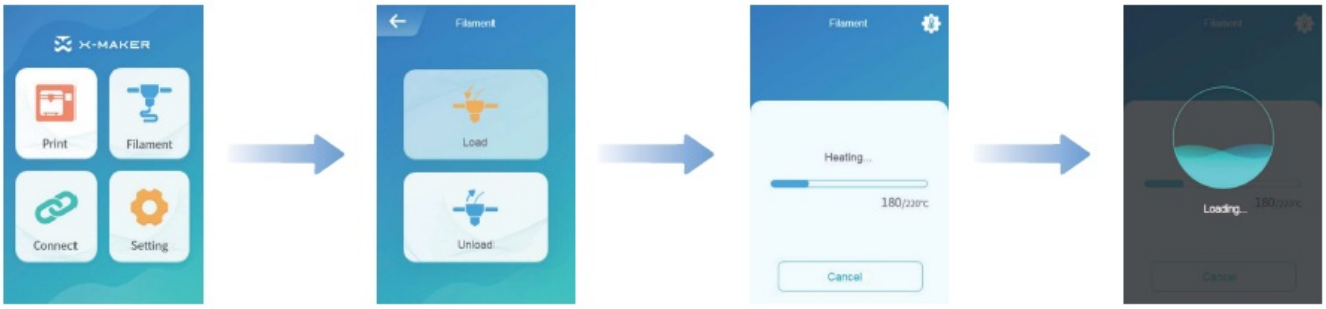
Printing Interface



Printing

Loading Operations

Method 1
Click “Filament -> Load” and wait for heating until the filament outflows from nozzle.



Method 2

Click "Preheat" -> Set target temperature-> Click "Start"; Target TEMP for PLA filaments is 200 °C. Target TEMP for ABS filaments is 230 °C. (You can refer to the target TEMP on the packing box for different filaments.)

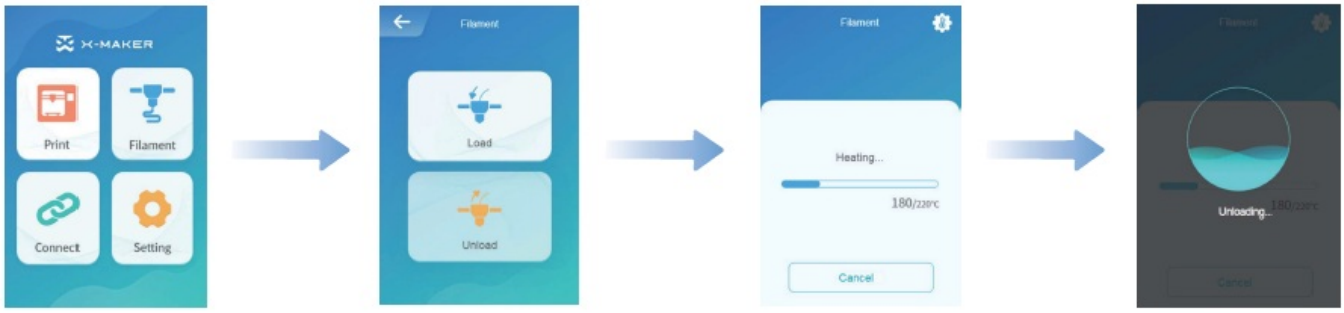
Click "Extrusion -> Unload" and set the returning length to 10mm. When filaments outflow to the filament inlet push the spring upward and then return the filaments.

Note: To prevent inlet blockage caused by filament residue, please load before unloading.

Unloading Operations

Method 1

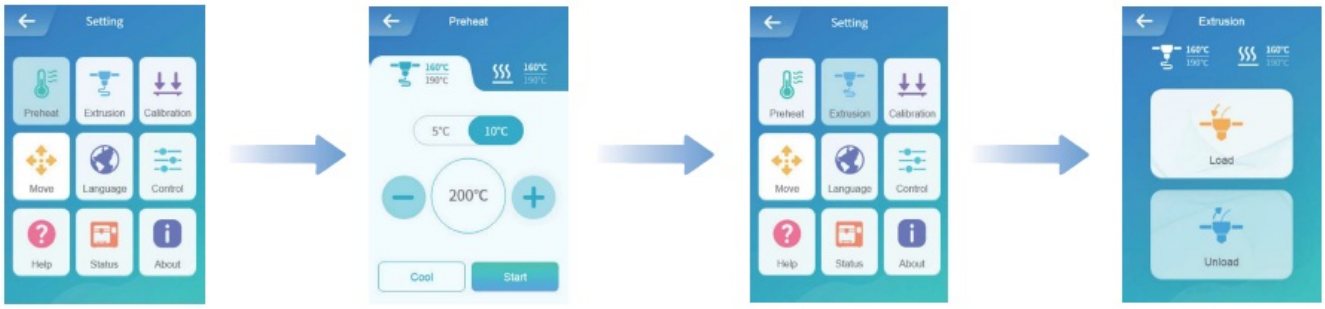
Click "Filament-> Unload" and wait for heating until the filament unloads from nozzle.When "Uploading Interface" is closed, filaments can be uploaded from filament inlet.



Method 2

Click "Preheat" -> Set target temperature-> Click "Start"; Target TEMP for PLA filaments is 200 °C. Target TEMP for ABS filaments is 230 °C. (You can refer to the target TEMP on the packing box for different filaments.) Click "Extrusion -> Unload" and set the returning length to 10mm. When filaments outflow to the filament inlet, push the spring upward and then return the filaments.

Note: To prevent inlet blockage caused by filament residue, please load before unloading.

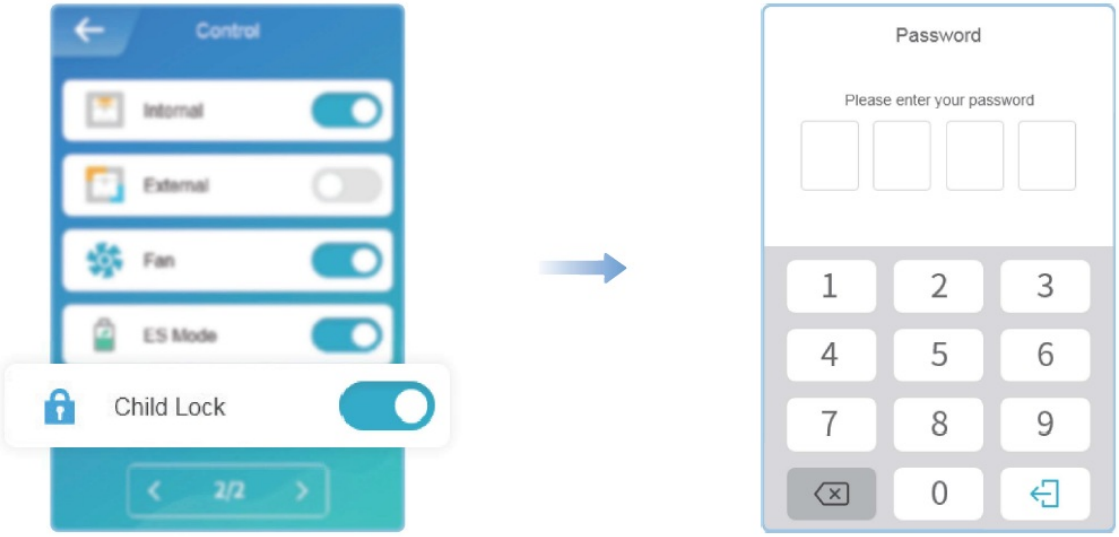


Move

Move: Click “Settings-> Move”. You can adjust the relative position of nozzle and baseplate by adjusting the coordinates of X/Y/Z axes.
Reset: Click “Reset”. Don’t conduct the next operation until each axis returns to the origin.
Standby Mode: In this mode, you can manually adjust the coordinate of nozzle. (X/Y/Z axes adjustments and “Reset” button are unavailable.)

Child Lock

A considerate design for families who carry out STEM education Prevent children from touching the screen mistakenly; When the “Child Lock” is on, the screen will be automatically locked in 30 seconds and you need to enter the password for the following operation.



Control　　Set Password

X-MAKER App

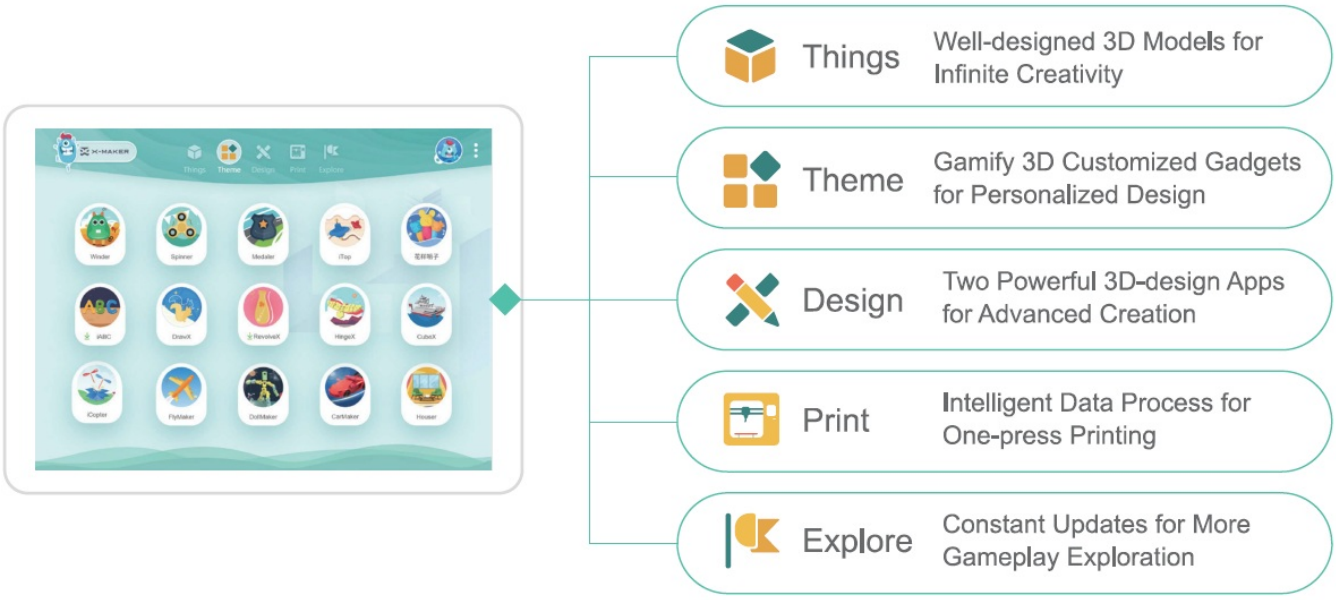
Download

For Windows PC
Click “Settings-> Help” on the App (or you can visit en.ime3d.com), and scan the QR code for download.

*Windows 7 or above

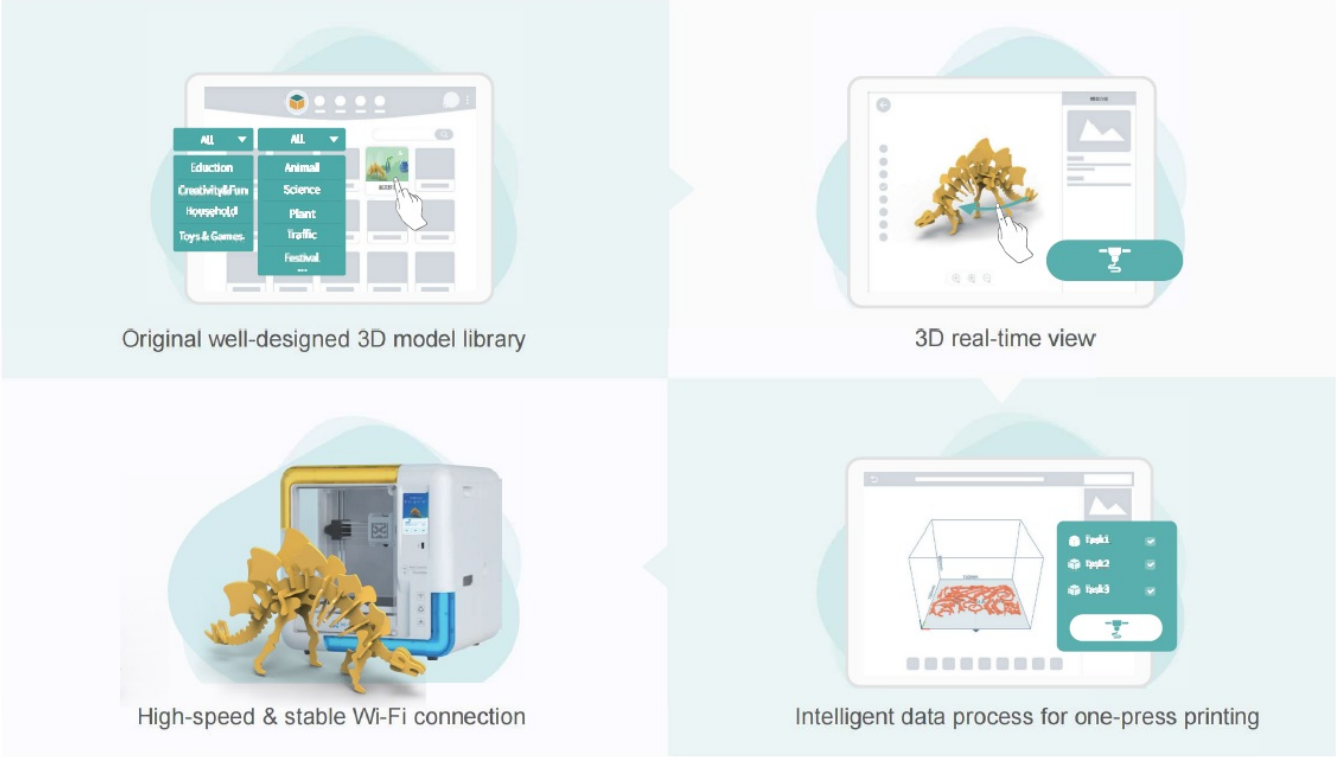
For Android Tablet/ iPad
You can download the app in corresponding app stores, or visit the website (en.ime3d.com) and scan the download code.

Introduction



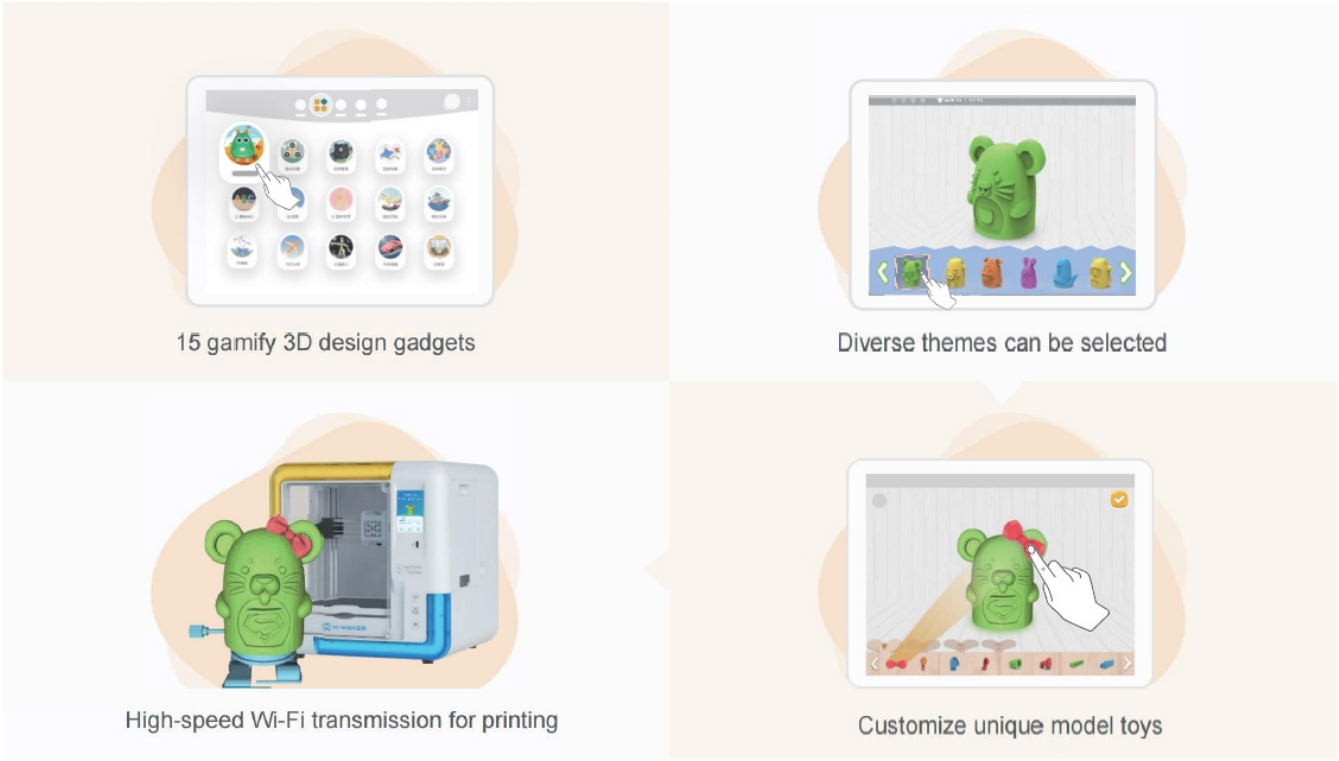
Things

Well-designed 3D model library in four categories Great anything with your infinite creativity



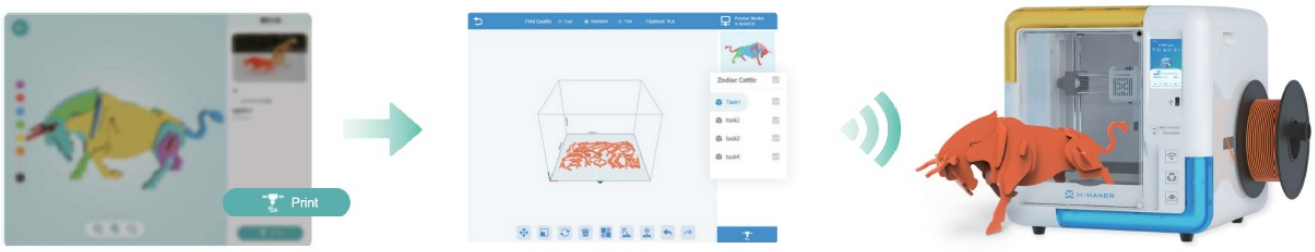
Theme

Gamify 3D Customized Gadgets for Personalized Design Make Creation Touchable



Design
Graphic & Modeling 3D Design Apps for Advanced Creation

One-press Printing
Automatic Task Division Automatic Slicing and Uploading



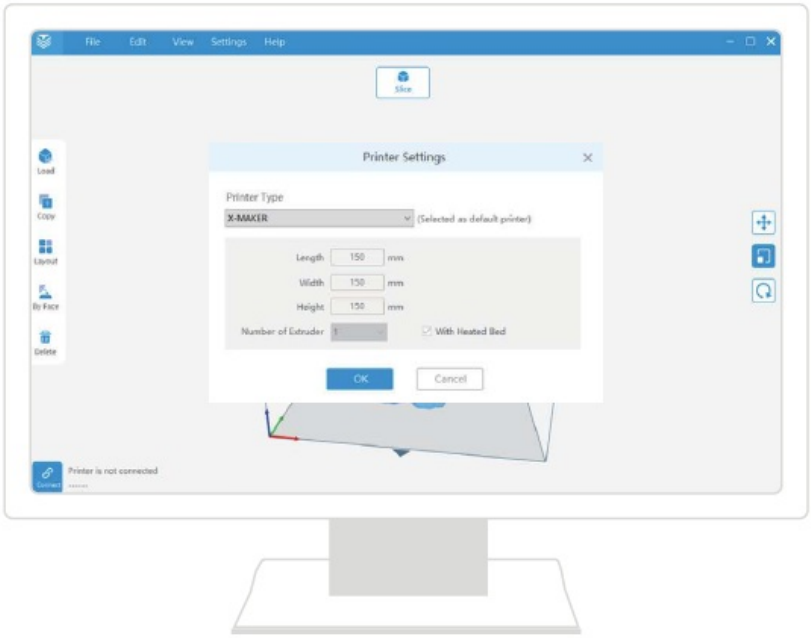
One-press Printing

Select the model and click"  ". The file will be divided into several tasks and you can preview the model in each task. Click"  " again, and the model will be sliced automatically. You can save the slicing files, or upload them to the printer and print the model.

X-PRINT

Slicing Software
Please install the free slicing software X-PRINT on your computer. (Download from the website: en.ime3d.com/Downloads)

Support Platform
Windows



Server Requirement

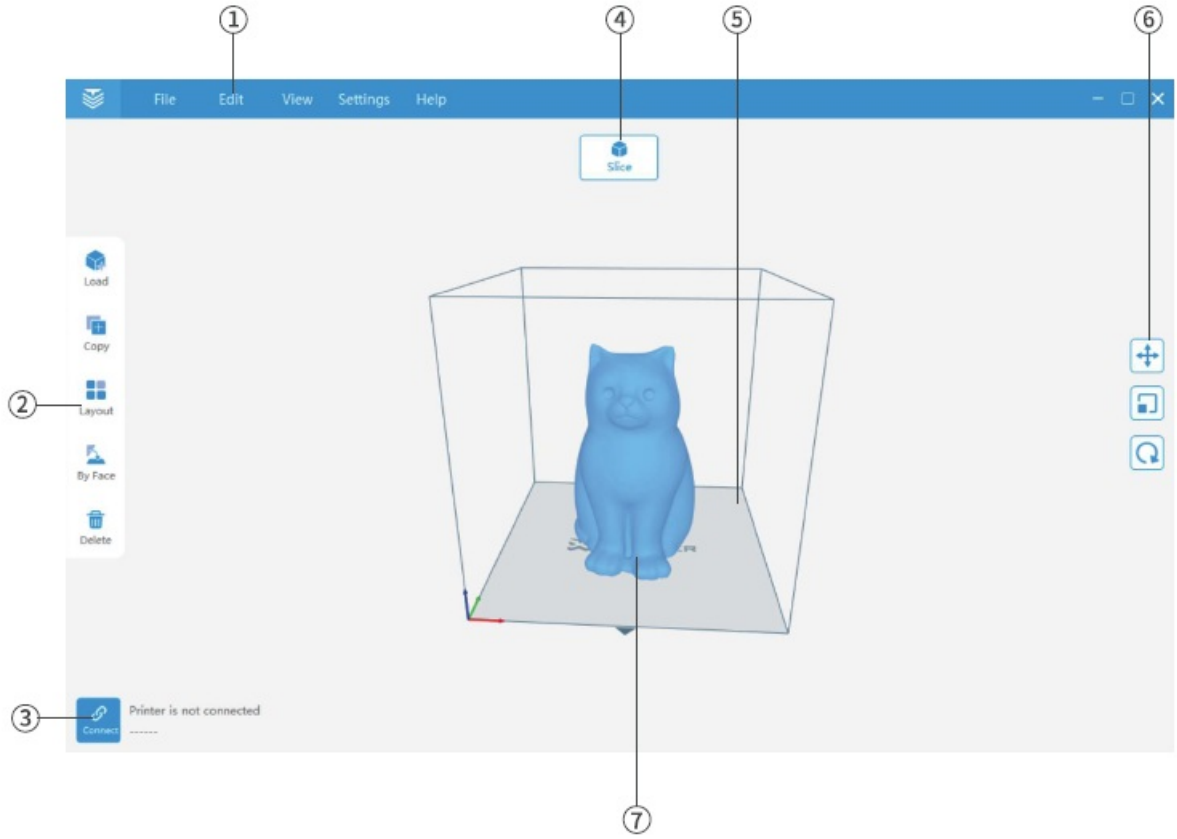
- Display card compatible with OpenGL 2
- Intel Core 2 or AMO Athlon 64 or later
- At least 4GB of memory (8GB or above is recommended)
- 64-bit processor

Install
Double-click the download file and launch the setup wizard to install X-PRINT. Please configure X-MAKER printer when you launch it for the first time.

Note: If you don’t set it up, you can click “Settings -> Printer” to configure X-MAKER printer later.

Interface Overview

Main Interface of X-PRINT



1. CD Menu Bar
2. Toolbar
3. Printer Connection
4. [Slicing] Button
5. Printer Working
6. Operations of Model
7. Model

For more instructions on how to use X-PRINT, please visit our website. (**en.ime3d.com**)

Basic Parameters of X-MAKER

- **Type:** X-MAKER
- **Print Speed:** 20~280mm/s
- **Nozzle TEMP**: S265 ·c
- **Hot Bed TEMP:** s11o·c
- **Nozzle Diameter:** 0.4mm
- **Recommended Filamen**t: PLA/ABS
- **Filament Diameter:** 1. 75mm

- **Language**: Chinese / English
- **Power:** INPUT
  - AC 100V-120V 3.2A
  - 200v~240V 1.6A
  - 50/60Hz
  - OUTPUT +24V 6.5A
- **Machine Size:** 360*360*380mm
- **Machine Weight:** 13. 7kg
- **Package Size:** 460*460*460mm
- **Total Weight:** 14.4kg
- **Max Printable Size:** 150*150*150mm
- **Control Panel:** 3.5-inch Touch Screen
- **Printing Method:** Wi-Fi / U Disk
- **File Format:** Xcode/code
- **Bundled Software:** X-MAKER App / X-PRINT

Daily Use of X-MAKER

For printer stability and good models, please pay attention to the following matters:

IME3D filaments are recommended. Do not frequently change filaments of different brands or types to avoid nozzle jamming. Filaments should be used up as soon as possible after opening.

Please notice the supported versions when installing X-MAKER App. The App can be installed on some Android smartphones but the experience will be affected because of limited screen width.

Recommended ambient TEMP for using the printer is 0-35°C. If you don't use it, please turn off the power of the printer.

For more information, please visit **en.ime3d.com**.

Support

Tech Support
X-MAKER users can enjoy lifelong technical support. (Technical problems unrelated to X-MAKER cannot be solved.) If you meet any technical problem, please ask our after-sales customer service for help.
Website: **en.ime3d.com**

Scan for more support

Reminder

1. Read the instructions carefully before using the machine.
2. Machines that have been repaired in the warranty period can still enjoy the remaining warranty service.
3. If you need a return, exchange, or depot repair, please send the machine back with the original packaging, to avoid other problems that may happen in the express delivery process. (It is recommended to keep the original packaging.)
4. When applying for QA service, please provide a Product Code, Purchase Voucher, Order ID, and Invoice. Failing that, the company has the right to refuse offering QA service.
5. Service Hours: Monday to Saturday, 8:30 – 20:45 (except official holidays)
   Hotline: 021-60719032
   E-mail: **overseas_sales@aoweidig.com**

Thank you for your support and trust in our products!
If you have any suggestions or ideas about our products and services, please send us the e-mail (**overseas_sales@aoweidig.com**). Your feedback and suggestions are of great importance to us. With for more cooperation with you!

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.
   Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
   NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions may cause bannfu1 interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
   If this equipment does cause bannfu1 interference to radio or television reception,
   which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/fV technician for help.
  To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with a minimum distance of 20cm the radiator of your body: Use only the supplied antenna.

Documents / Resources

	IME3D X-MAKER 3D Printer [pdf] User Manual V04, 2A35N-V04, 2A35NV04, X-MAKER 3D Printer, X-MAKER, 3D Printer