Anycubic Photon Mono M5s Pro

# Pioneer of 14K

10.1-inch 14K HD Screen | Air Heater & Purification | High Speed

ANYCUBIC
ANYCUBIC
283℃
Air Mate
ANYCUBIC

PHOTON MONO M5s PRO
PHOTON MONO M5s PRO

# One-Minute Overview

# Anycubic Smart Flagship M5s Series

| Product Parameters | <br>Anycubic Photon Mono M5s | <br>Anycubic Photon Mono M5s Pro |
|---|---|---|
| Exposure Screen | 10.1'' 12K monochrome | 10.1'' 14K monochrome |
| Resolution | 11520*5120 | 13312*5120 |
| XY Resolution | 19*24μm | 16.8*24.8μm |
| Light Uniformity | 80% | 85% |
| Printing Dimensions | 218*123*200mm | 223.78*126.38*200mm |
| Printing Volume | 5.4 L | 5.65 L |

| | | |
|---|---|---|
| Printing Speed | 105mm/h | 105mm/h |
| Air Heater & Purifier | ✗ | ✓ |
| Machine Leveling | Leveling free | Leveling free |
| Release Film | ACF film | ACF film |
| **Extra Features** | | |
| App Control | ✓ | ✓ |
| Resin Residue Detection | ✗ | ✓ |
| Intelligent Release | ✗ | ✓ |
| Device Self-Check | ✓ | ✓ |
| Resin Detection | ✓ | ✓ |
| Printing Monitoring | ✓ | ✓ |
| OTA Upgrade | ✓ | ✓ |

*Based on the test results of Anycubic lab, for reference only.

# Ultra-High 14K Resolution, Smallest Details Brought to Life

Features a 10.1-inch monochrome LCD with a resolution of 13312*5120, the Photon Mono M5s Pro delivers XY resolution of 16.8*24.8μm—printing precision comparable to the thickness of one hair. The light uniformity has been enhanced to 85%, ensuring smallest details and sharp edges.

**16.8*24.8μm**
XY resolution

**13312*5120**
Resolution

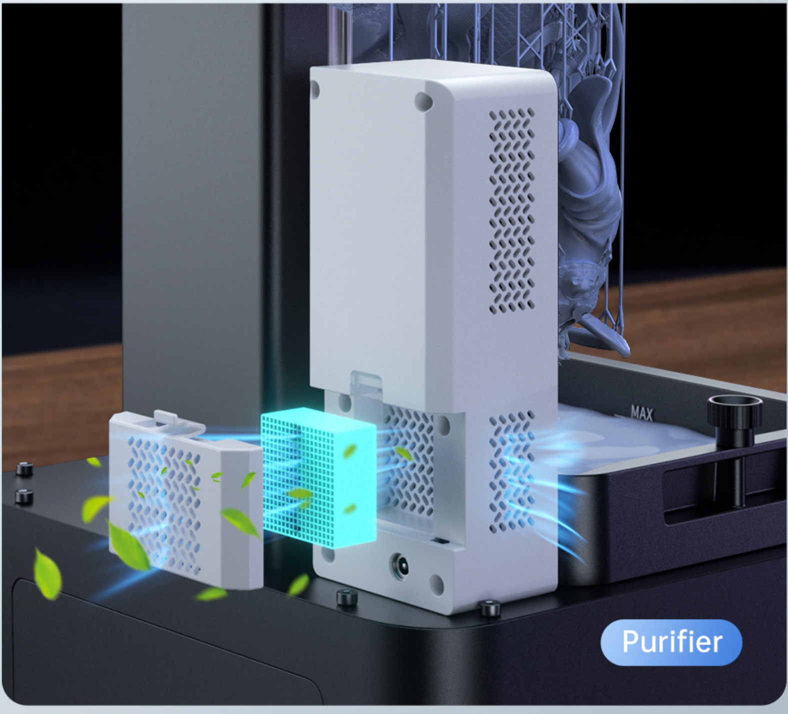
**85%↑**
Light uniformity

*Based on the test results of Anycubic lab, for reference only.

# Air Heater & Purifier

The newly added Air Heater & Purifier module integrates air heating with purification, offering independent control and easy installation. The cover is made of engineering-grade fire-resistant material that has been tested at 0°C and under continuous operation in actual environment, ensuring safe and long-lasting operation in harsh environment.

Heater
ANYCUBIC
28.3 °C
Air Heat & Pure



It supports air heating  ensuring the air temperature up to 40 ℃ and keep the resin temperature reach above 20 ℃ before printing for achieving successful printing even in low-temperature environments. Additionally, a dedicated purification mode is supported, with a built-in high-quality activated carbon component that effectively absorbs resin odors, creating a comfortable printing environment.

**55 W**
Powerful Heating

**20 ℃**
Air Temperature

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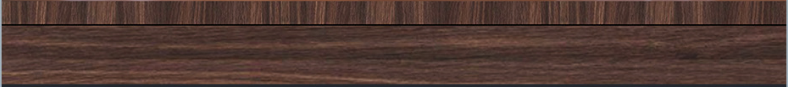
PHOTON MONO M5s PRO
65%



The waiting time can be referred to in the following

| Ambient temperature | Delay start |
|---|---|
| **5~10°C** | **60 min** |
| **10~25°C** | **30 min** |

*Based on the test results of Anycubic lab, for reference only.

# High Speed With Great Performance

With an average print speed up to 105mm/h[1], the Photon Mono M5s Pro offers a high-speed resin printing experience. It adoptes the third-generation high-speed ACF film with reduced peeling force, which ensures high success rates while lowering the peeling height and increasing lifting speed.

**105**

**mm/h**

[1]When used with Anycubic high-speed resin, under the parameter settings of 0.1mm layer height and 2mm shell thickness, the data is sourced from Anycubic Laboratory tests.

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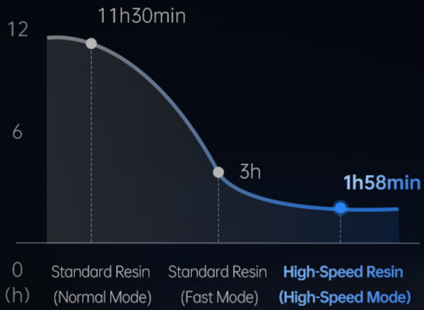
## Resin Printing Time Comparison



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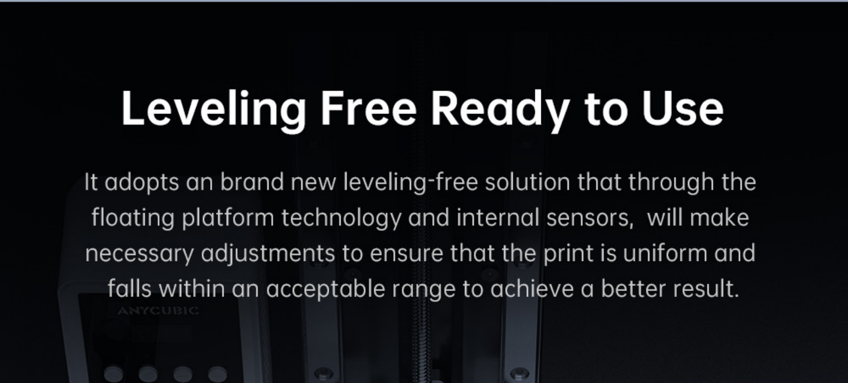
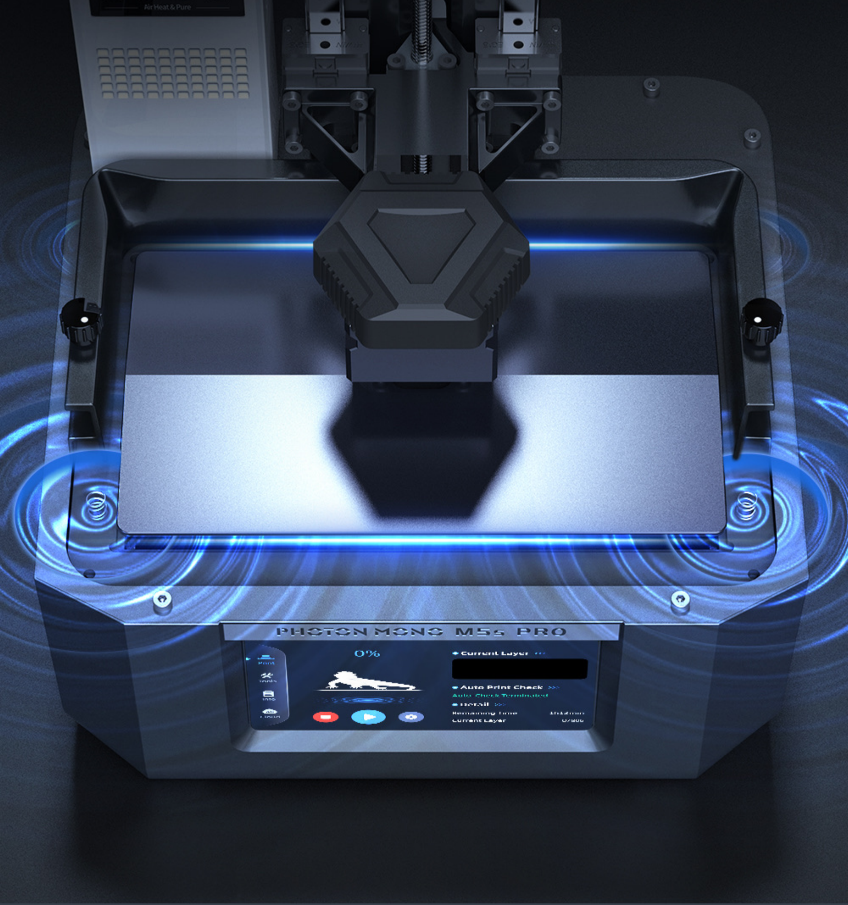
180mm

*Based on the test results of Anycubic lab, for reference only.



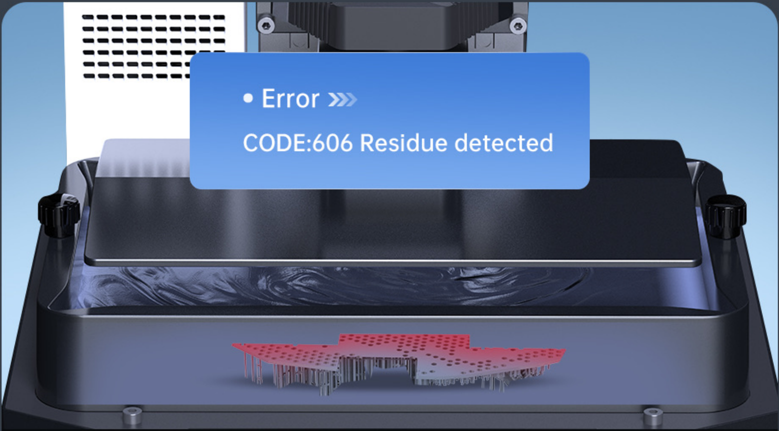
# Leveling Free Ready to Use

It adopts an brand new leveling-free solution that through the floating platform technology and internal sensors, will make necessary adjustments to ensure that the print is uniform and falls within an acceptable range to achieve a better result.



# Efficiently Protect Printing Process With Smart Detection

A new resin residue detection function has been added, which can identify the resin residue in the resin tank through the mechanical algorithm during the descent process to avoid screen breakage. At the same time, during the printing process, the AI algorithm will intelligently calculate and adjust the peeling height in real time according to the model shape, so as to improve the printing success rate and printing speed.

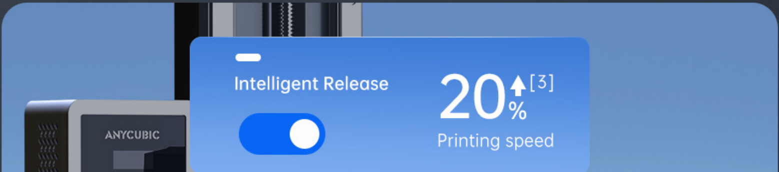


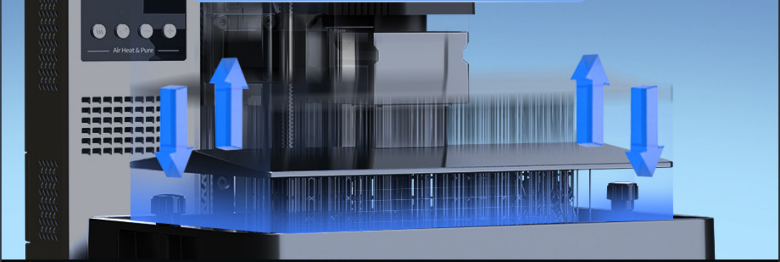
• Error »»

CODE:606 Residue detected

## Resin Residue Detection[2]

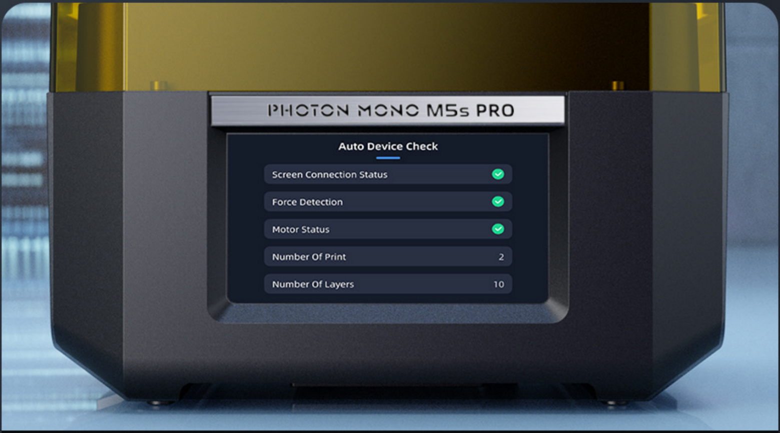
Identify the resin residue





## Intelligent Release

Improve the printing success rate and printing speed

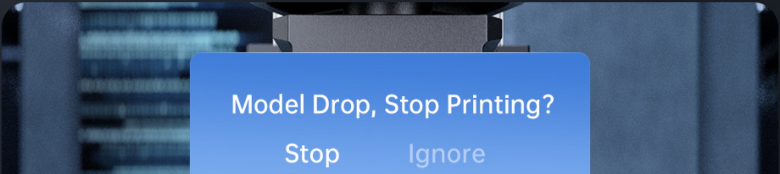


Auto Device Check

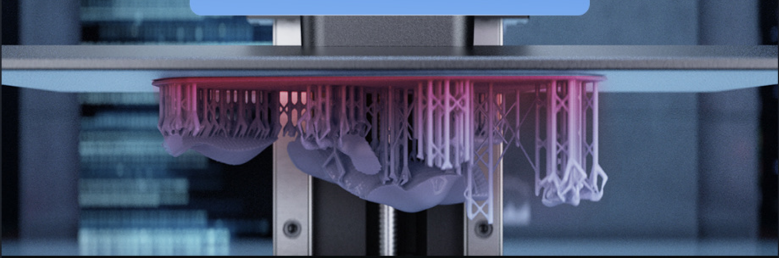
| | |
|---|---|
| Screen Connection Status | ✓ |
| Force Detection | ✓ |
| Motor Status | ✓ |
| Number Of Print | 2 |
| Number Of Layers | 10 |

## Device Self-Check

Quickly troubleshoot hardware issues

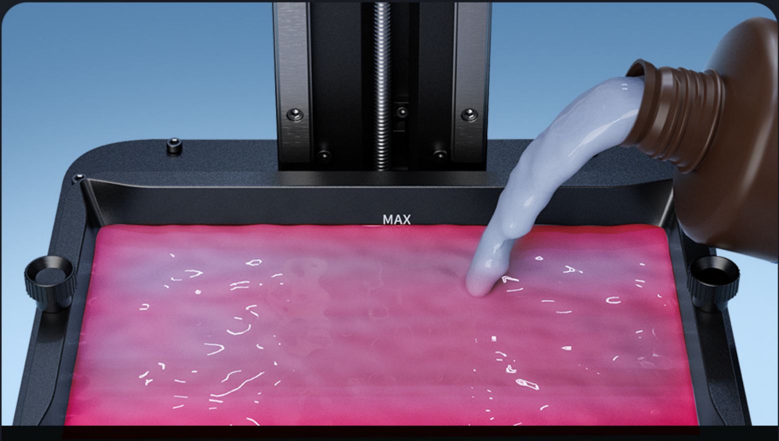


Model Drop, Stop Printing?



## Smart Monitoring of the Whole Process

Dynamic reminder for printing drops the bottom



## Resin Detection

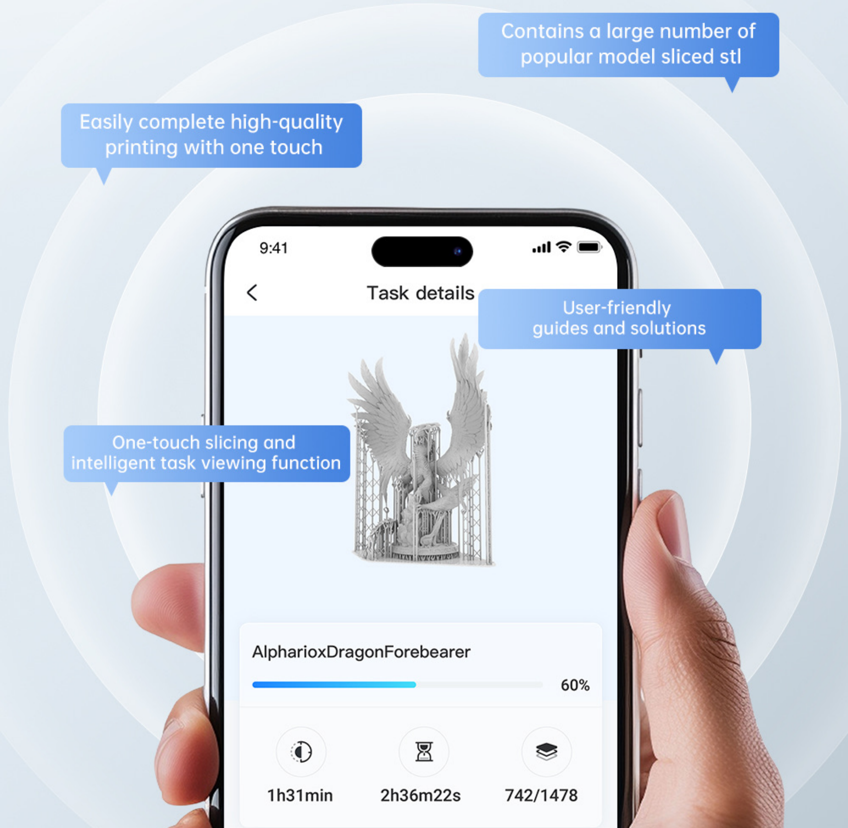
Ensure enough resin

[2]Data from Anycubic Lab, the residue height is 3mm, which can be detected and stopped urgently.

[3]20% increase in printing speed is only effective in Normal Mode.

# 3D Printing in Just One Touch
# Anycubic App

Adaption to the new version of Anycubic APP, which contains a large number of popular model sliced stl, and can easily complete high-quality printing with one touch; One-touch slicing and intelligent task viewing function, so that each link is in the control; A practical help center that provides users with user-friendly guides and solutions.



Contains a large number of popular model sliced stl

Easily complete high-quality printing with one touch

User-friendly guides and solutions

One-touch slicing and intelligent task viewing function

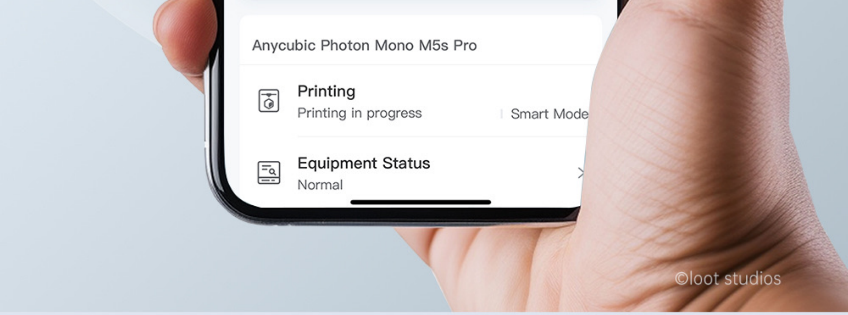
AlpharioxDragonForebearer

60%

1h31min

2h36m22s

742/1478


Anycubic Photon Mono M5s Pro

Printing
Printing in progress
Smart Mode

Equipment Status
Normal

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# Empower your Creativity

The recommended print parameters for using Anycubic Photon Mono M5s with the Anycubic resin are set as follows:

| Resin | Normal EXposure Time (s) | Off Time (s) | Bottom Exposure Time (s) | Z Lift Distance (mm) | Z Lift Speed (mm/s) | Z Retract Speed (mm/s) |
|---|---|---|---|---|---|---|
| <br>Standard Resin | 3.6 | 0.5 | 30 | 8 | 6 | 6 |
| <br>Standard Resin V2 | 3.6 | 0.5 | 30 | 8 | 6 | 6 |
| | 1.9 | 0.5 | 10 | 3 | 20 | 20 |

|  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|
| <br>High Speed Resin |  |  |  |  |  |  |
| <br>Tough Resin | 3.6 | 0.5 | 30 | 8 | 6 | 6 |
| <br>High Clear Resin | 3.8 | 0.5 | 30 | 8 | 6 | 6 |
| <br>DLP Craftsman Resin | 3.8 | 0.5 | 30 | 8 | 6 | 6 |
| <br>Plant-Based Resin | 3.8 | 0.5 | 30 | 8 | 6 | 6 |
| <br>ABS-Like Resin V2 | 4 | 0.5 | 35 | 8 | 6 | 6 |
| <br>ABS-Like Resin Pro 2 | 4 | 0.5 | 35 | 8 | 6 | 6 |
| <br>Water-Wash Resin + | 3.6 | 0.5 | 30 | 8 | 6 | 6 |

* If the printing environment is below 20°C, please increase the exposure time by 30%, and reduce the lifting and descent speed by 30%
With high speed resin layer thickness 0.1mm.

*Based on the test results of Anycubic lab, for reference only.

# Model Display

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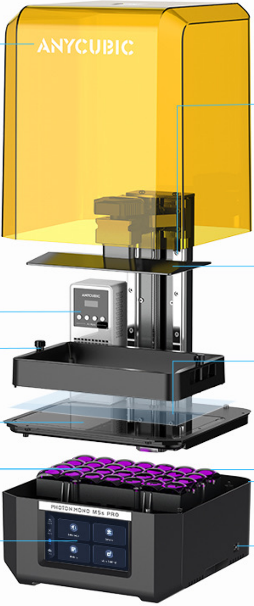
*Models printed by Anycubic Photon Mono M5s Pro.

## Product Parameters



**Removable Cover**
Effectively blocks UV radiation

**Anycubic Air Mate**
Air Heater & Purifier

**Resin Vat**
Unibody design
with scale lines

**Exposure Screen**
10.1" monochrome
14K(13,312x5,120px)
resolution

**Light Source**
LED matrix UV light source

**Control Panel**
4.3" TFT touch-control

**Z Axis**
Double liners with 10 μm

**Build Platform**
Laser engraving
aluminum alloy

**Oversized Protection Film**
Replaceable anti-scratch film

**Power Supply**
110W rated power

**Power Button**
On / off switch

**Data Input**
USB Type-A 2.0、WIFI

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PHOTON MONO MSs PRO

**Machine Leveling**
Leveling-free

**Machine Weight**
20.7lb./ 9.4kg

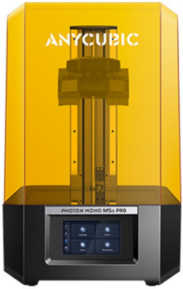
**Machine Dimensions**
290 x 270 x 460mm/
11.42 x 10.63 x 18.11 in.(DWH)

**Average Printing Speed**
0.1 Layer Thickness 105mm/h

**Printing Volume**
200oz. / 5.7L

**Printing Dimensions**
223.78 x 126.38 x 200mm/
8.81 x 4.98 x 7.87 in.(DWH)

# In the Box



Anycubic Photon Mono M5s Pro

Print Platform

Resin Vat

Scraper

Tool Kit

Mask

Anti-scratch film kit

USB flash drive

Air Mate Kit

Gloves

Funnel

Photon Mono M5s Pro

Installation and Usage Instructions

Instruction manual

Power adapter

This paper can be used for leveling.

*Refer to the user manual for more details.

Leveling paper