Photon Mono「4K」

NEW UPGRADE

BETTER PERFORMANCE

High-speed Resin 3D printer

ANYCUBIC

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PHOTON MONO 4K

Photon Mono 4K

9 Core Features

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High resolution 4K

6.23" monochrome screen

Large print volume

132×80×165mm

Print fast

Max50mm/h

Adjustable UV power

Suitable for a variety of resins

Matrix parallel source

Quartz lamp bead

High contrast

Delicate and smooth print surface

LCD screen protection

High light transmission and leakage prevention

One-piece FEP film

Quick to replace

Top cover detection

Cover sensor, much safer

6.23" 4K Monochrome LCD

Mono 4K has a 3840×2400 print resolution,35um XY pixels and 7% light transmittance, which could deliver highly-detailed prints. The single-layer curing time is as low as 1.5 seconds, and the printing speed can reach 50mm/h.

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Monochrome LCD

4K

The lifetime expectancy of the monochrome screen is four times longer than the RGB screen.

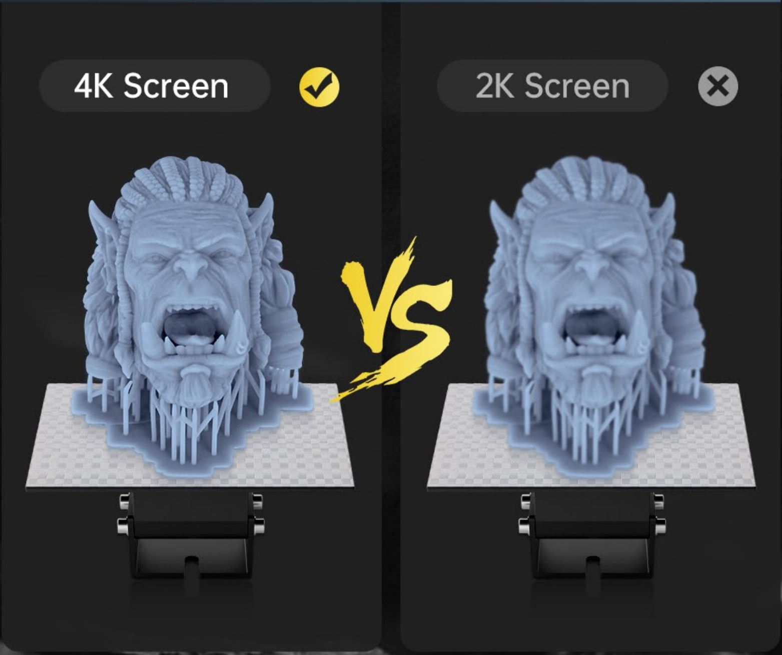
The light transmittance is up to 7%. The print speed is faster.

4 ↑ Times

7 ↑ % (Transmittance 5%)

3840×2400 print resolution

Delicate and smooth print surface



High Contrast For Delicate And Smooth Print Surface

Mono 4K uses a monochrome screen with a contrast of more than 350. The high contrast makes the image in the exposure area more accurate and the print edges more delicate, thus improving the printing quality and success rate, and greatly reducing the residue in resin vat.

350:1
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New Matrix
UV Light Source

High quality quartz lamp beads and new matrix design for uniform UV light energy. 4K monochrome LCD delivers high-quality prints.

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Adjustable UV power

High energy for fast printing, low energy to prolong printer life. Mono 4K supports 30%-100% UV power settings and can be adapted to resin printing with different UV energy requirements to meet your personalized printing needs.

20
30
40
50
60
70
80
Adjustable UV power
30%~100%

10
0
90
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工具

UV功率 50%

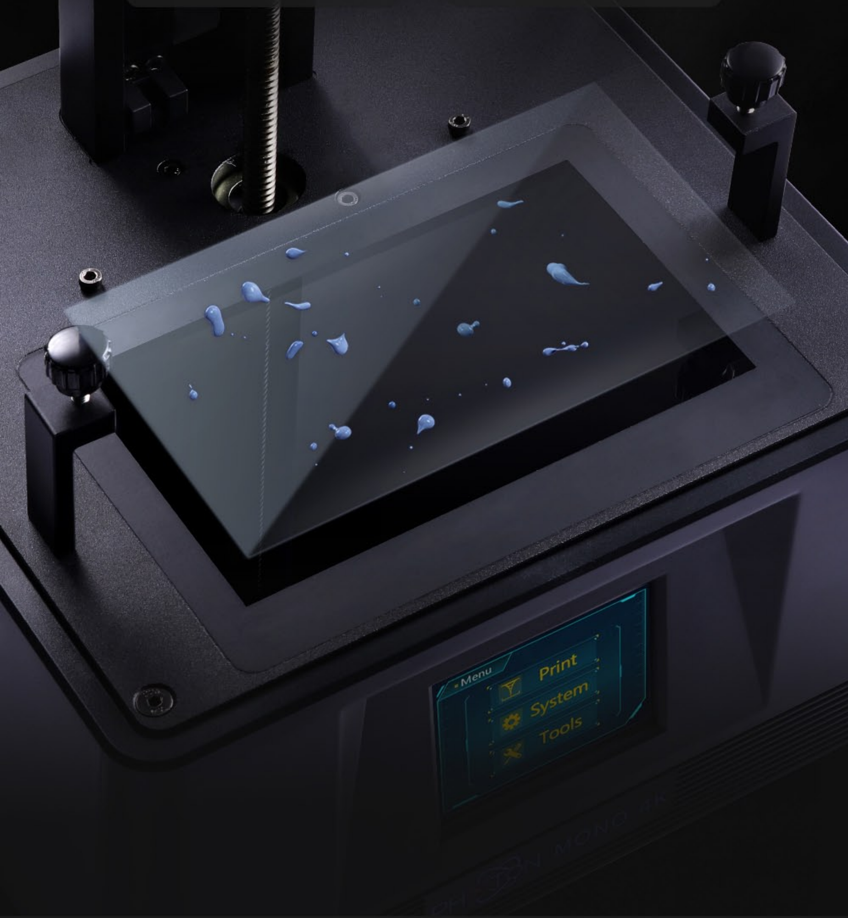
开门检测

LCD Screen Protection

High-quality anti-scratch protective film for LCD screen. It can effectively prevent resin and other liquid leakage or pollution of the screen. Easy to clean. Greatly prolong the service life of LCD screen.

High light transmission

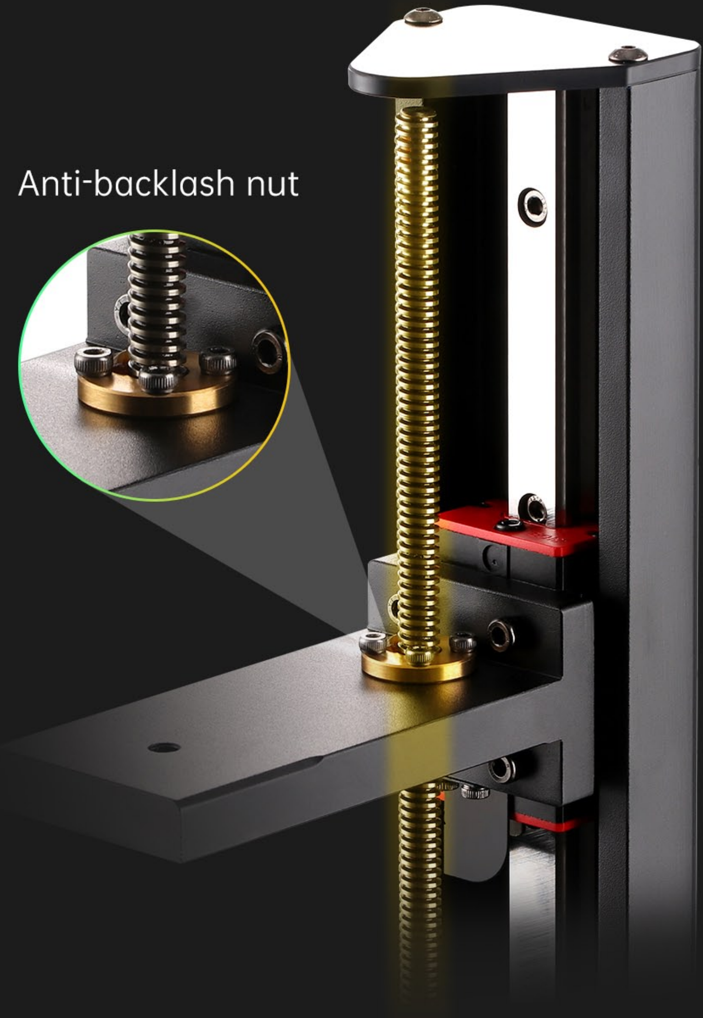
Anti-leakage



Consistent print quality

Mono has a solid Z-axis rail structure, along with a stable stepper motor allowing the production of parts with high levels of precision and dimensional accuracy.

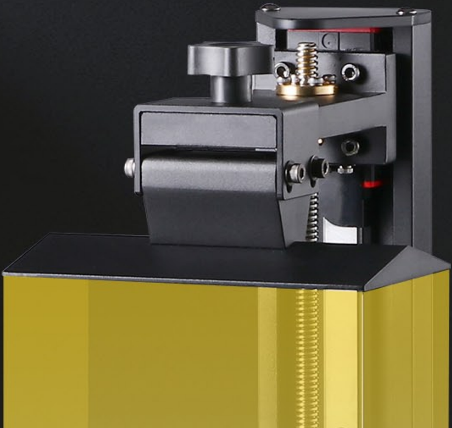
Anti-backlash nut

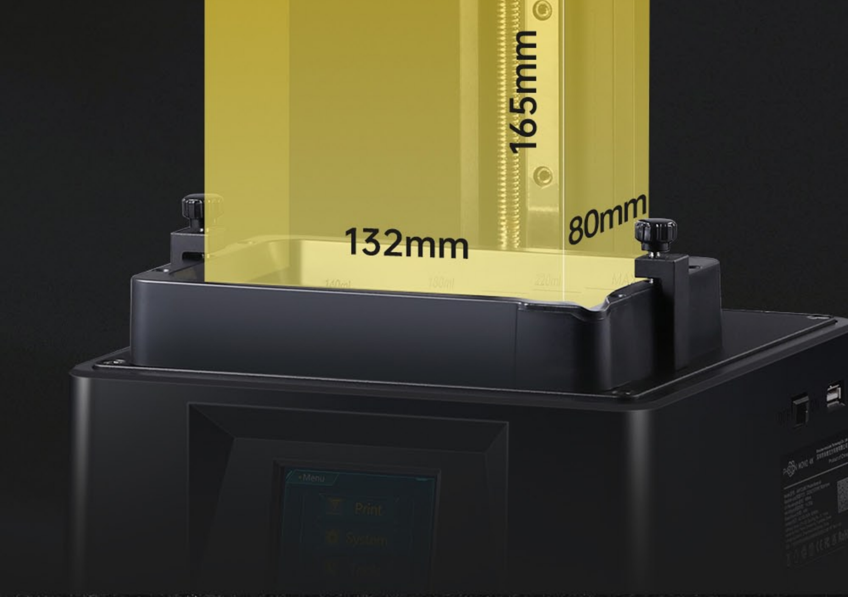


Large Build Volume

The printing space of 132mm x 80mm x 165mm is large enough to turn your creative ideas into reality.

132×80×165mm Print Size



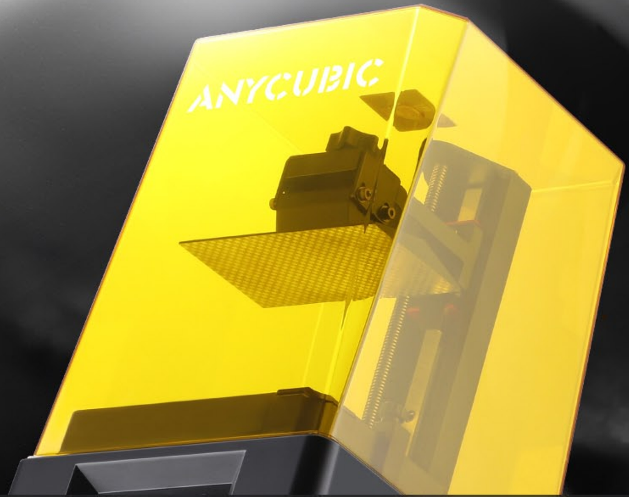


UV-blocking Top Cover

The lid can protect your eyes from the 405nm wavelength UV light from the printer.

UV light blocking ratio is

99.95%



Top Cover Detection

The printer can be set to stop printing immediately after opening the cover.

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Every Detail Has Been Carefully Designed for Better User Experience

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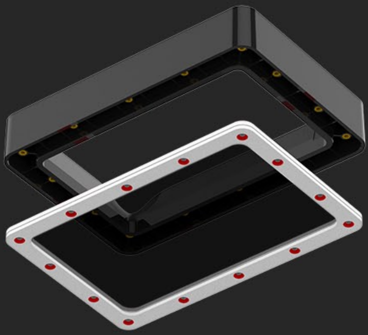
01

Quick FEP Replacement

Easy and quick to replace the FEP.



02

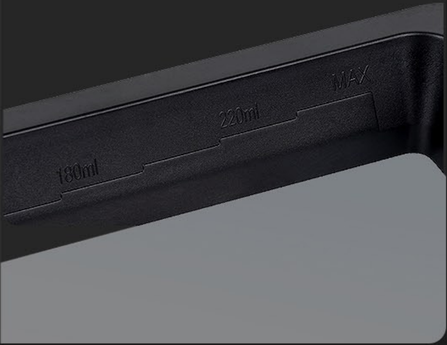
High Quality Power Supply

UL certification, CE marking, and ETL certification.

03

Marks in Resin Vat

Accurately view how much resin is left with the marks in the resin vat.



Technical Specifications

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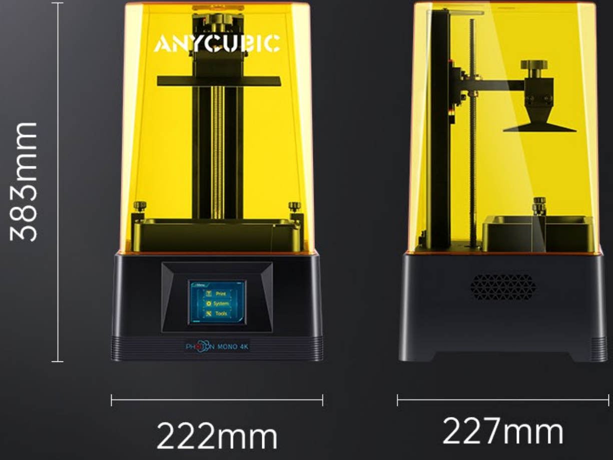

Printing

System : ANYCUBIC Photon Mono 4k
Operation : 2.8 inch Touch Screen
Slicer : ANYCUBIC Photon workshop
Connectivity : USB

Print specifications

Technology: LCD
Light-source: High-quality filament, Matrix light source(wavelength 405nm)
XY resolutions: 3840 x 2400(4K), 35um
Z Axis resolutions.: 0.01mm
Layer Res.: 0.01 ~ 0.15mm

Printing Speed: MAX 50mm/h
Rated Power: 45W

Physical Dimensions

Printer Size: 222mm x 227mm x 383mm
Build Volume: 132mm(L) x 80mm(W) x 165mm(H)
Package Volume: 295mm(L) x295mm(W) x 530mm(H)
Net Weight: ~4.25kg
Gross Weight: ~6kg

Industrial Applications

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Household Products

Jewellery

Miniature

Architectural Model

Dentistry

Showcase

Showcase

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Parts List

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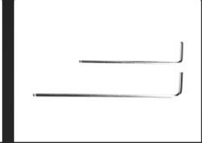
Platform

Resin Vat

Scraper x2



Tool Kit

Mask

USB Memory

Power Cord

User Manual

Gloves x3

Funnel x5

LCD Screen Protector