K1
Speed Rules All

600mm/s Printing Speed

Hands-free Auto Leveling

Solve Ringing with G-sensor

600mm/s Max Speed

20000mm/s² Acceleration

32mm³/s Max Flow Hotend

Hands-free Auto Leveling

Self-test with One Tap

Solve Ringing with G-sensor

Unibody Die-cast Frame

Auxiliary Cooling Fan in Chamber

King of Speed

12X Faster
CREALITY

Fast, in an Epic Way

Crazy 600mm/s*. K1 is 12 times faster than a regular FDM 3D printer.
Now, sit tight for the thrill of breathtaking speed.

K1: 600mm/s

Regular 3D Printer: 50mm/s

*The 600mm/s speed is achieved at Creality Lab in the Surface Mode with 0.1mm layer height.
*The typical speed is 300mm/s. The travel speed is 800mm/s.

K1, with its stunning speed, will kindle people's zeal for 3D printing.
A fast speed cuts printing time and raises efficiency. It uses less energy for the same output, thus more eco-friendly.
Most importantly, it focuses on the pure joy of creation.

Gorilla H: 32cm
Split into 10 print bundles
40h21min
At 300mm/s

Benchy
ABS
13min
At 300mm/s

@3dbenchy.com

All-in-One
1h30min
At 300mm/s

* Data from Creality Lab.
* K1 prints faster and better with Creality Hyper PLA filament.

Always Print at Full Speed

With 20000mm/s² acceleration, K1 ramps up to 600mm/s in only 0.03s,
delivering full speed in 90% of the printing time.

0.03s
600mm/s
20000
mm/s²

Nimble Setup for Speed

K1 combines the nimble Core XY
with a 190g lightweight printhead
for less motion inertia. Agile and swift.

32mm³/s Flow in Full Blast

New ceramic heater, encircling the entire hotend.
It heats to 200°C in 40s and melts the filament instantly.
Dual-gear direct extruder, delivering 50N strong extrusion force.
Hotend with a titanium alloy heatbreak and a copper alloy nozzle,
working with flying colors in up to 300°C.

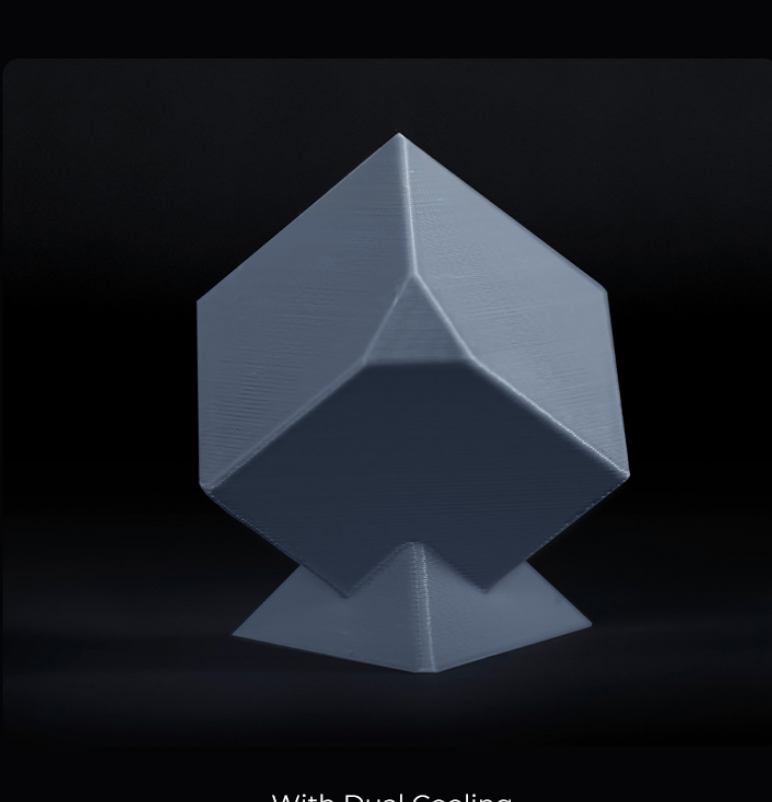
CREALITY
Ceramic Heater
Encircles the Hotend

Get Cool Models On the Fly

Model Cooling by Dual Fans

A large fan on the printhead with air ducts cools the model directly.
An 18W auxiliary fan in the build chamber enhances the cooling effect, too.

The model hardens before any stringing and warping could happen.
It allows support-free bridges and overhangs.



With Dual Cooling

Without Dual Cooling

Creality Print 4.3 with Speed Genes

The latest self-developed slicer Creality Print 4.3 includes rich presets,
and streamlines the slicing process into 3 simple stages.
Even better, it bolsters high-speed printing with variable line width, arc path, and so on.

Speedy Creality OS and Hardware

K1 adopts the smart Creality OS. It features a straightforward UI,
and syncs data and commands with PC, phone, Cloud, and add-on modules.
The snappy dual-core 1.2GHz CPU powers high-speed printing with ease.
The 8G ROM stores up to 400 model files and enables quick writing and reading.

Creality OS
CREALITY

Use before Learn It

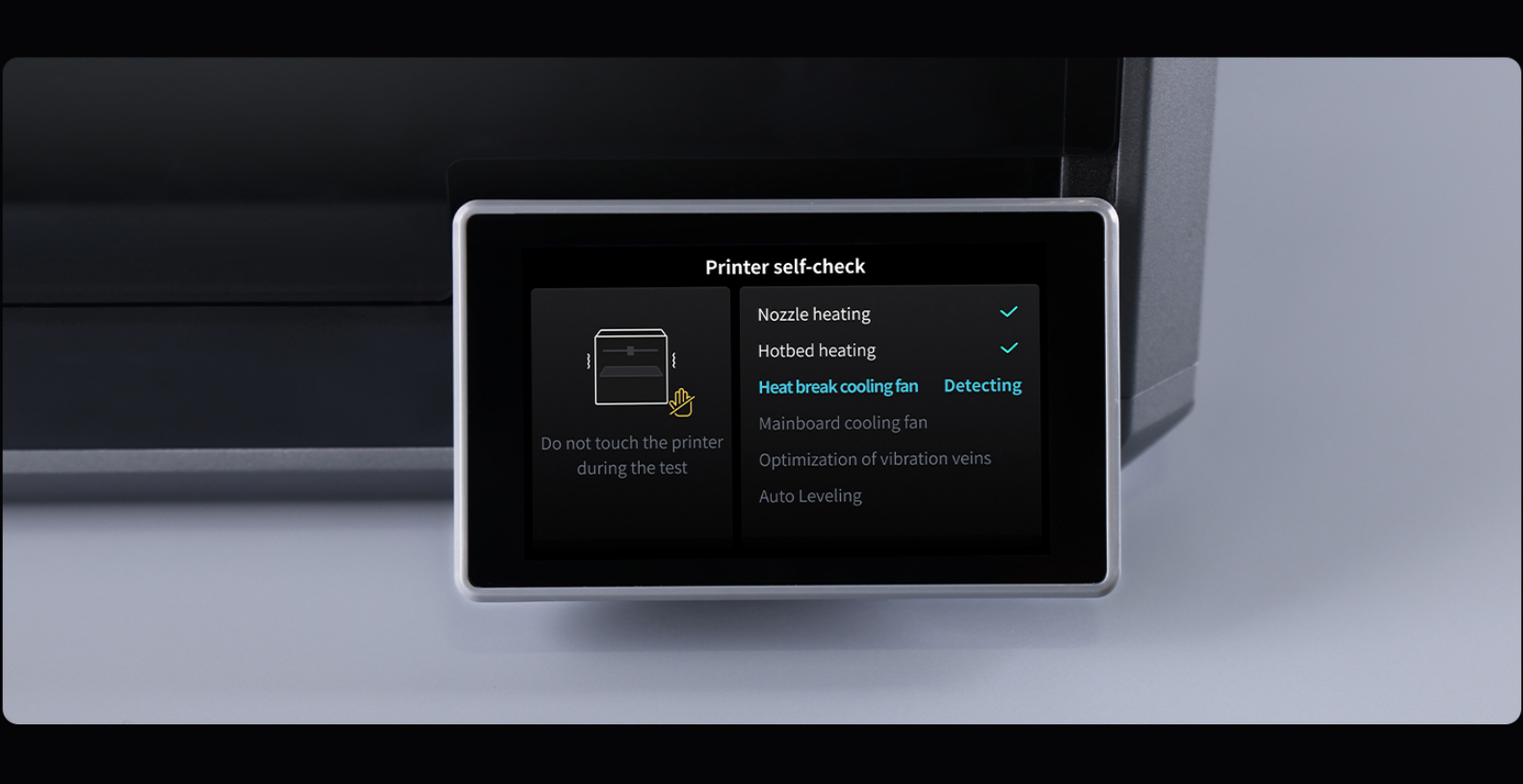
Print Right out of the Box

K1 is assembled and calibrated before shipment and offers a boot-up quick guide.
Just start printing the moment your K1 arrives.

Minimal Operations, If Any

Self-test with One Tap

Give a tap, and K1 will self-test the extruder, heatbed, camera (optional), fan, leveling, etc.
Any abnormality detected will prompt on the display. So, users can proceed confidently without hitch.



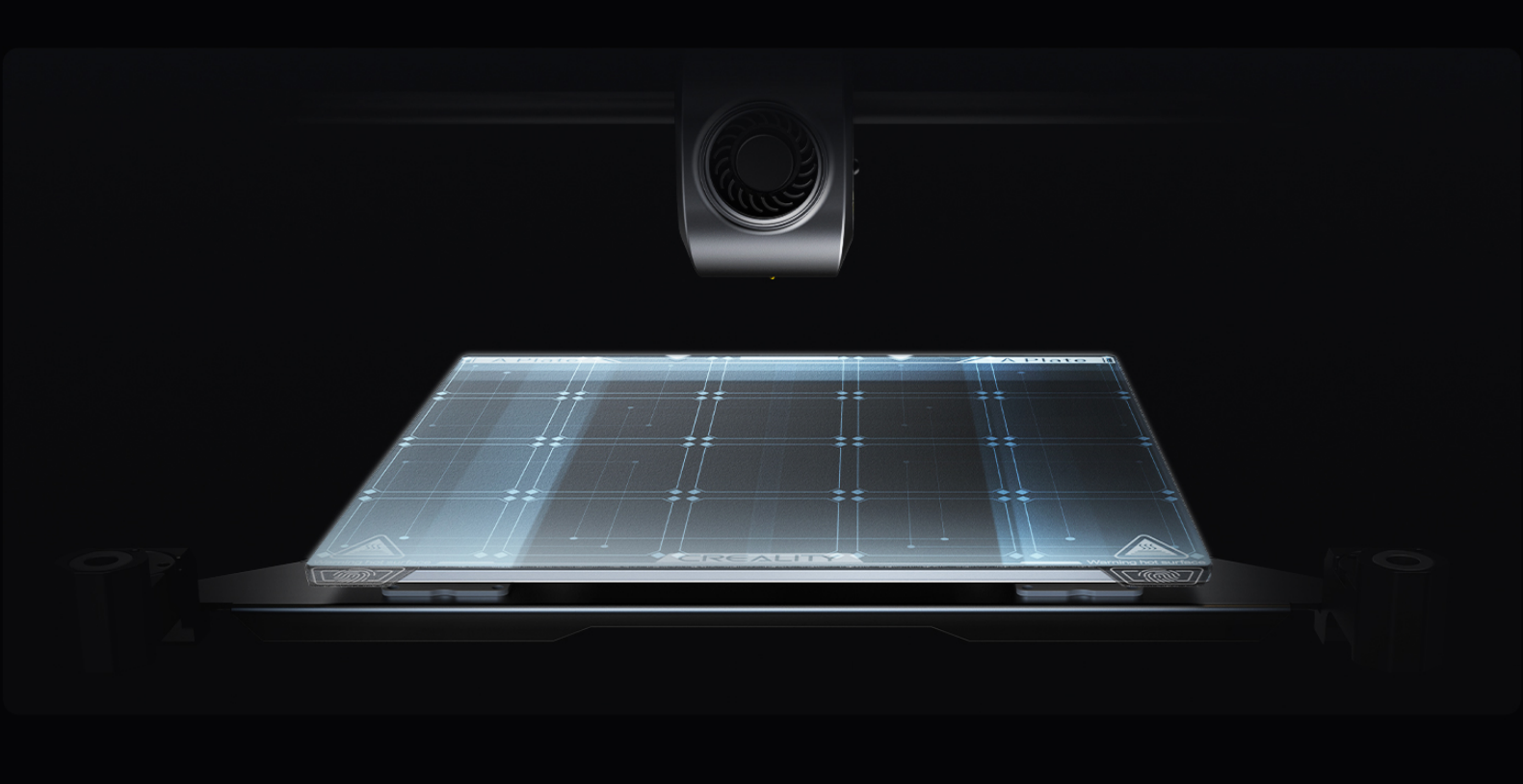
Printer self-check

Do not touch the printer during the test

- Nozzle heating ✓
- Hotbed heating ✓
- Heat break cooling fan Detecting
- Mainboard cooling fan
- Optimization of vibration veins
- Auto Leveling

Hands-free Auto Leveling

An array of strain sensors are embedded in the heatbed to generate an accurate leveling mesh.
The whole process happens on its own after the printing starts. You don't need to lift a finger or pay any attention.

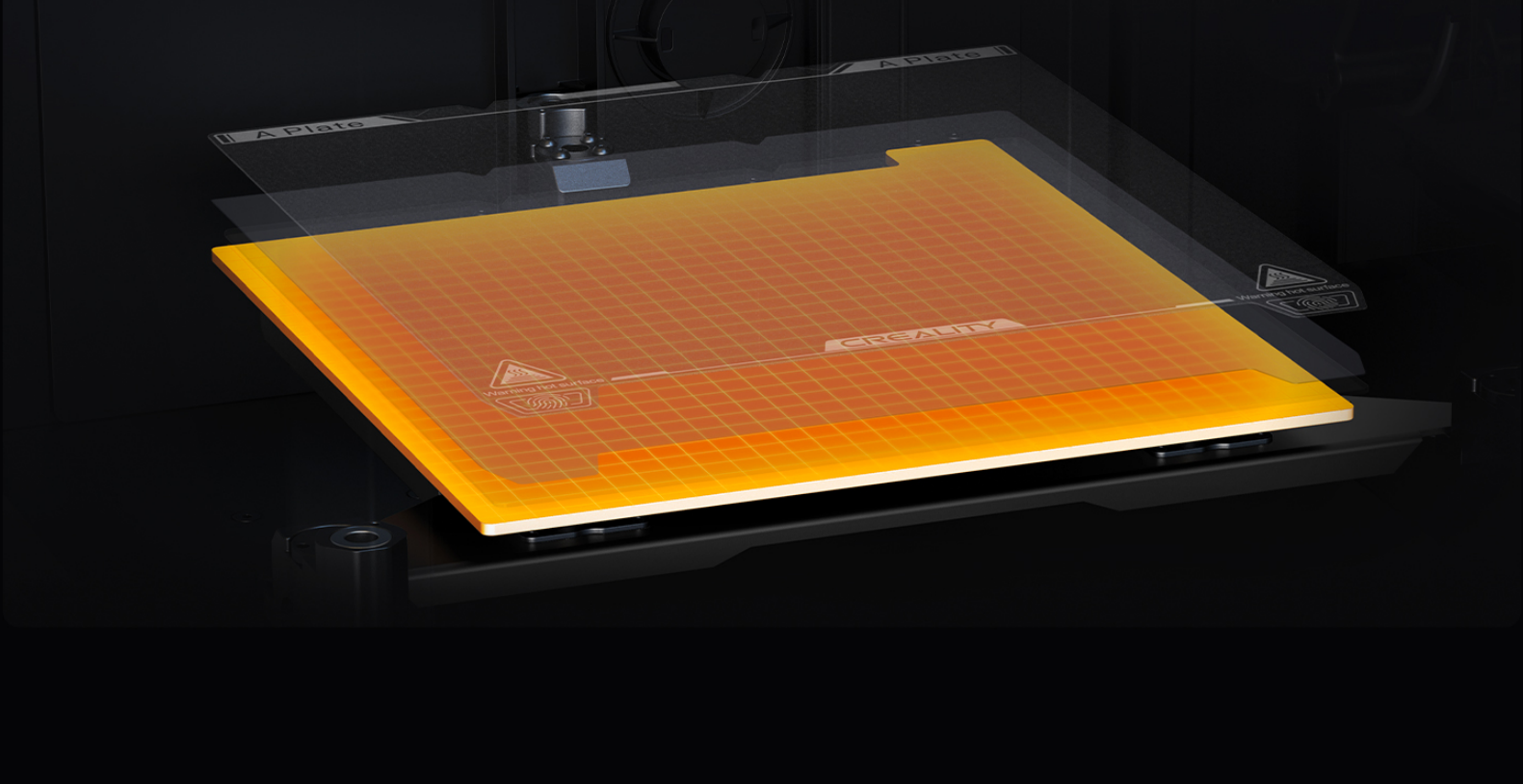


Flexible Build Plate

Sticky and heat-resistant, it works well with a wide range of filaments.
The finely frosted surface makes the model bottom fine and smooth.
Bendable for quick print removal.

Quick-heating Heatbed

The aluminum alloy heatbed spreads heat uniformly and quickly. It reaches 60°C in only 180s.

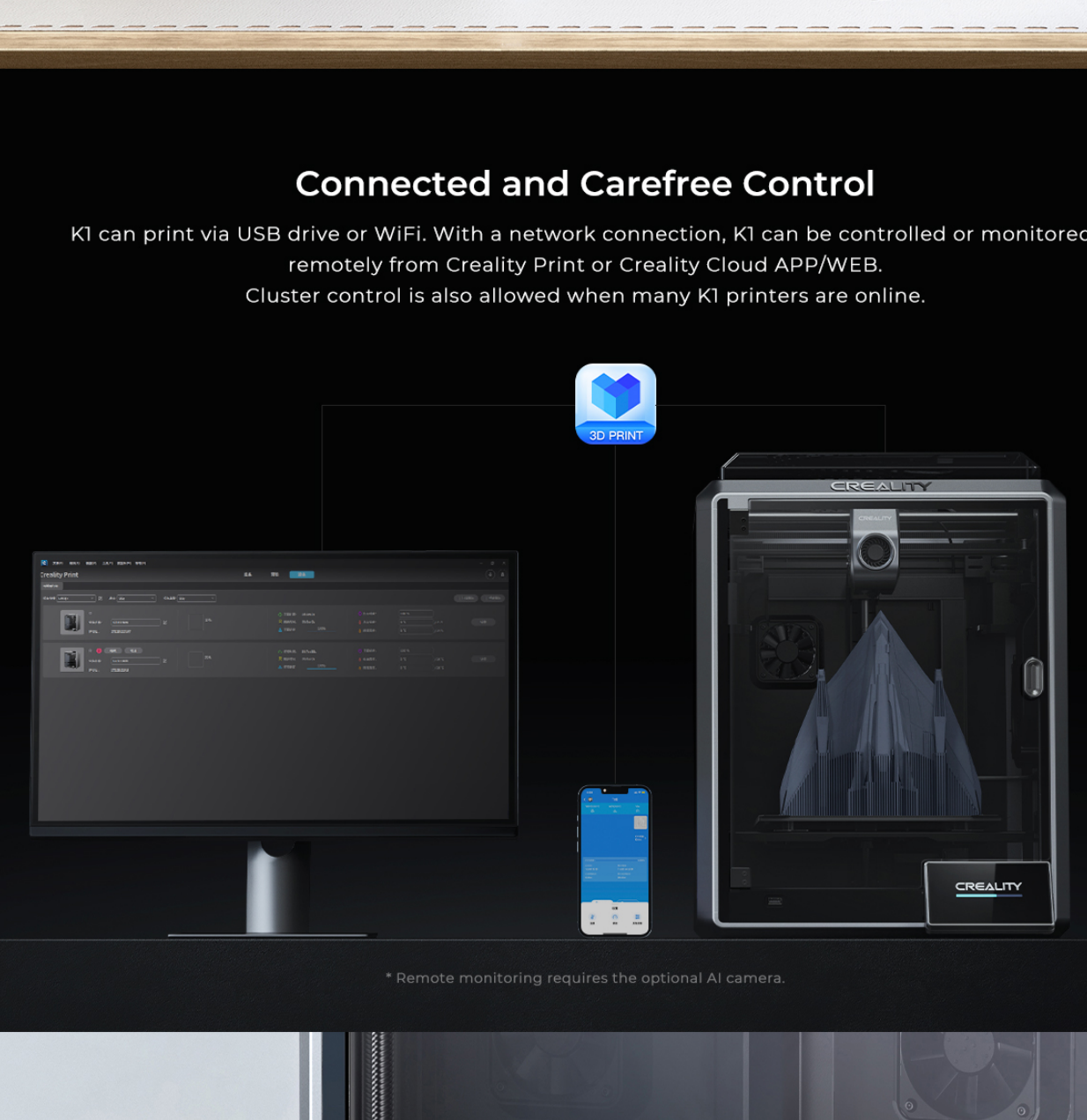


An Awesome Fit Everywhere

Looking cool and awesome, K1 is the compactest among the FDM 3D printers of a similar build volume.
It is an easy fit on your desk or workbench.

Connected and Carefree Control

K1 can print via USB drive or WiFi. With a network connection, K1 can be controlled or monitored*
remotely from Creality Print or Creality Cloud APP/WEB.
Cluster control is also allowed when many K1 printers are online.



* Remote monitoring requires the optional AI camera.

Relentless Zeal for Quality Prints

Stand Firmly to the Speed Challenge

The unibody die-cast aluminum alloy frame of K1 is CNC machined to be precise and rigid.
It enables steady printing at high speed. And the print quality is excellent the whole time.

No Ringing at High Speed

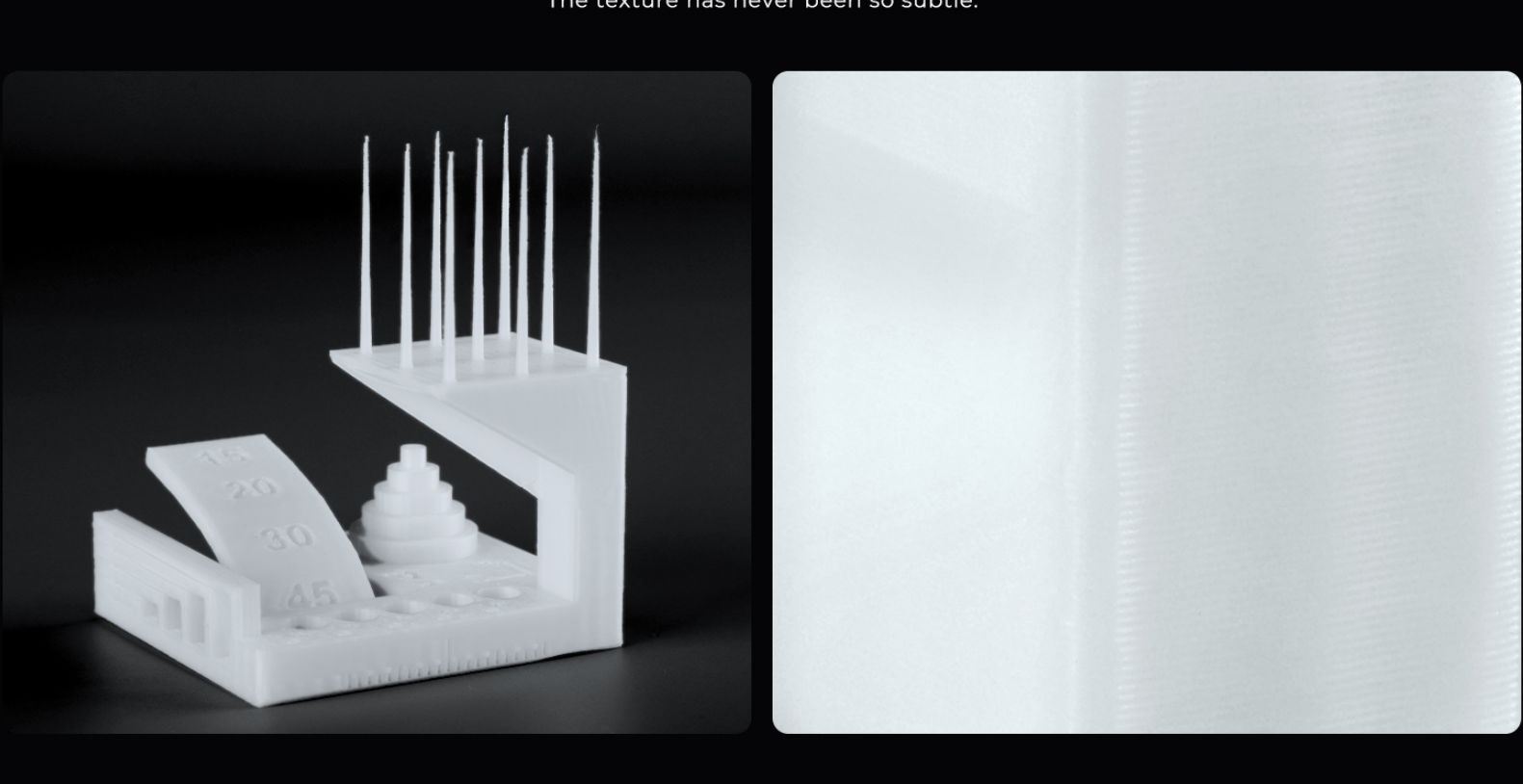
A G-sensor in the printhead measures the resonance frequencies of high-speed printing,
and auto-tune the printer to mitigate it. No more ghosting or ringing on the print.

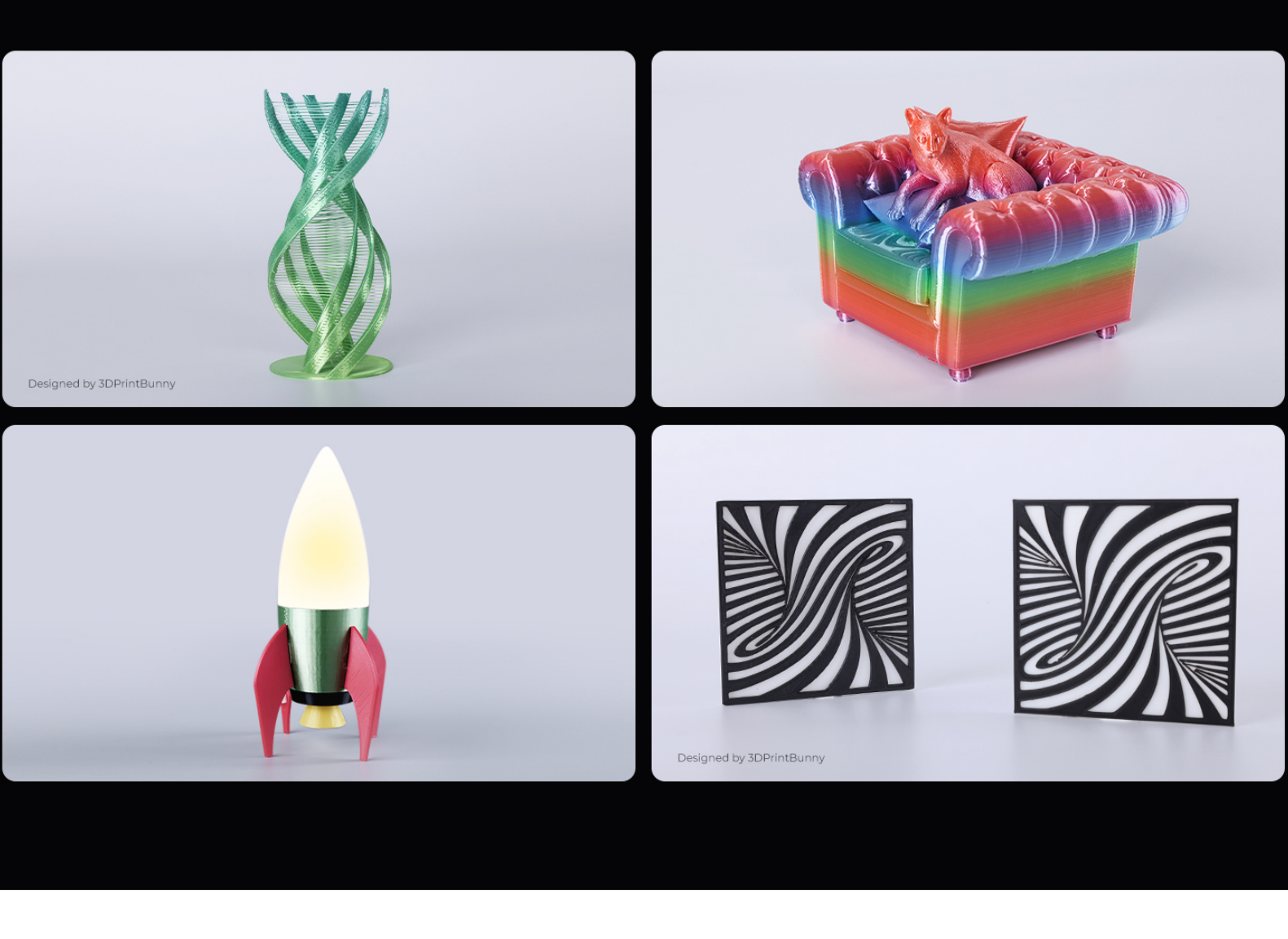
G-sensor ON

G-sensor OFF

Delicate Texture without Z-banding

The upgraded Z-axis with more accurate positioning reduces Z-banding effectively.
The texture has never been so subtle.





Specifications

Printing Technology: FDM	**File Transfer:** USB drive, WiFi
Build Volume: 220*220*250mm	**Display Screen:** 4.3" color touch screen
Product Dimensions: 355*355*480mm	**AI Camera:** Optional
Package Dimensions: 415*415*550mm	**AI LiDAR:** Optional
Net Weight: 12.5kg	**Power Loss Recovery:** Yes
Gross Weight: 16Kg	**Filament Runout Sensor:** Yes
Printing Speed: ≤600mm/s	**Input Shaping:** Yes
Acceleration: ≤20000mm/s²	**Lighting Kit:** Yes
Printing Accuracy: 100±0.1mm	**Sleep Mode:** Yes
Layer Height: 0.1-0.35mm	**Rated Voltage:** 100-120V~, 200-240V~, 50/60Hz
Extruder: Dual-gear direct drive extruder	**Rated Power:** 350W
Filament Diameter: 1.75mm	**Supported Filaments:** ABS, PLA, PETG, PET, TPU, PA, ABS, ASA, PC, PLA-CF, PA-CF, PET-CF
Nozzle Diameter: 0.4mm (compatible with 0.6/0.8mm)	**Printable File Format:** G-Code
Nozzle Temperature: ≤300°C	**Slicing Software:** Creality Print; compatible with Cura, Simplify3D, PrusaSlicer
Heatbed Temperature: ≤100°C	**File Formats for Slicing:** STL, OBJ, AMF
Build Surface: Flexible build plate	**UI Languages:** English, Spanish, German, French, Russian, Portuguese, Italian, Turkish, Japanese, Chinese
Leveling Mode: Hands-free auto leveling	