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› [ANYCUBIC](#) /

› [Anycubic Kobra 2 Pro FDM 3D Printer User Manual](#)

## ANYCUBIC Anycubic Kobra 2 Pro

# Anycubic Kobra 2 Pro FDM 3D Printer User Manual

Model: Anycubic Kobra 2 Pro | Brand: ANYCUBIC

## INTRODUCTION

The Anycubic Kobra 2 Pro is a high-speed FDM 3D printer designed for efficiency and precision. It features a powerful Cortex-A7 1.2Ghz processor, optimized mechanical structure, and smart functionalities for an enhanced 3D printing experience. This manual provides essential information for setting up, operating, and maintaining your printer.

## SAFETY INFORMATION

Please read and understand all safety instructions before operating the printer to prevent injury or damage.

- Always operate the printer in a well-ventilated area.
- Keep hands clear of moving parts during operation.
- Do not touch the hot nozzle or heated bed during or immediately after printing.
- Ensure the power supply is correctly connected and the voltage switch is set appropriately for your region.
- Keep children and pets away from the printer during operation.

## WHAT'S IN THE BOX

Your Anycubic Kobra 2 Pro package includes the following components:

- 3D Printer (main assembly)
- Filament holder
- Touchscreen display

- Power cord
- USB stick
- Tools for assembly and maintenance (wrenches, hex keys, screws)
- Sample filament
- User Manual (printed)
- Installation Manual (printed)

## SETUP

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Follow these steps to assemble your Anycubic Kobra 2 Pro 3D printer.

### Step 1: Unboxing and Component Identification

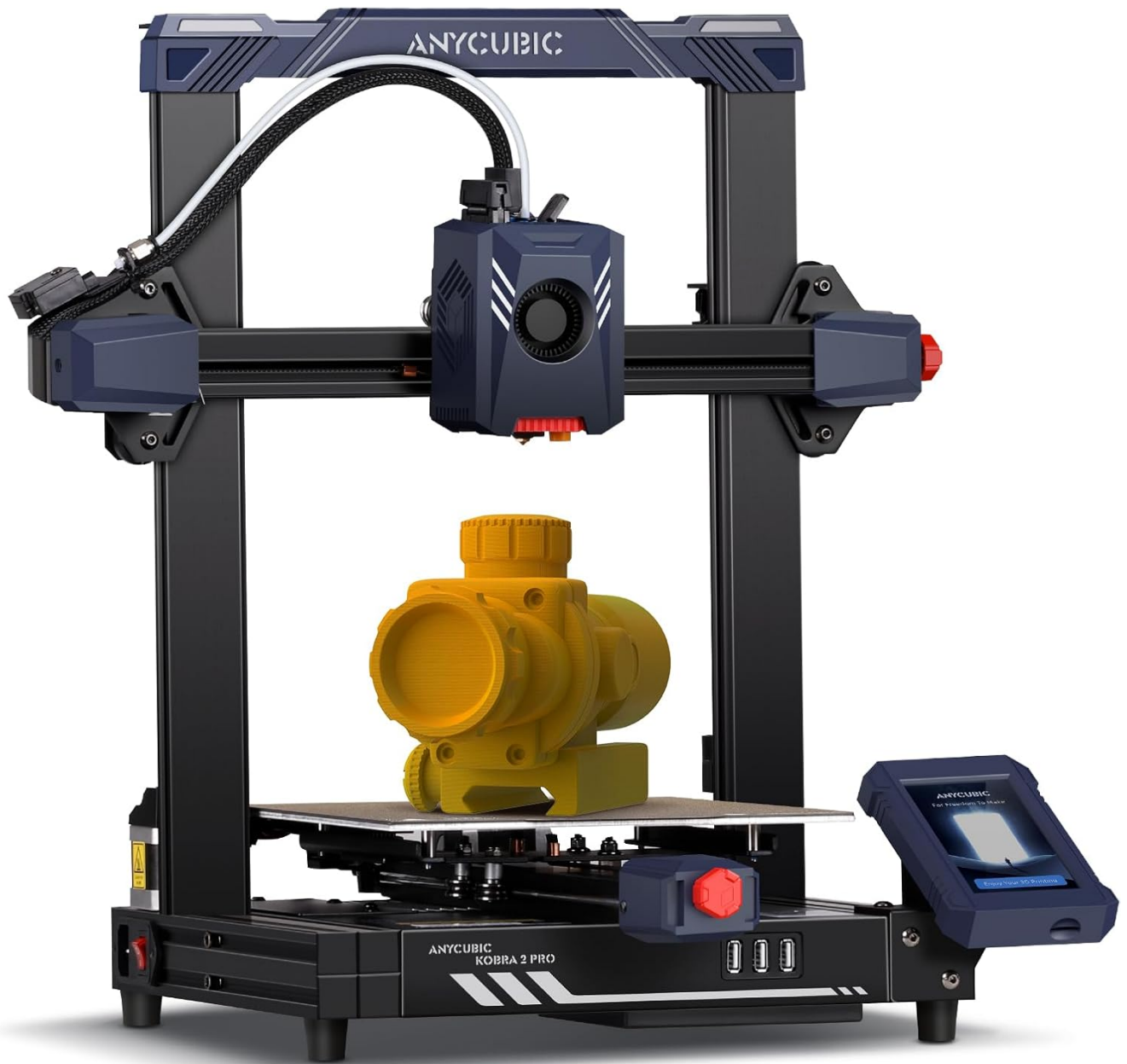
Carefully remove all components from the packaging. Refer to the included parts list to ensure all items are present.

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*Video: Anycubic Kobra 2 Pro Unboxing. This video demonstrates the unboxing process and identifies the main components of the printer.*

### Step 2: Assembling the Frame

Attach the gantry to the base unit using the provided screws. Ensure all connections are secure.



*Image: Fully assembled Anycubic Kobra 2 Pro 3D Printer. This image shows the complete printer with its main components.*

# 10X Boost in Speed

**300mm/s**

Standard Printing Speed

**500mm/s**

Maximum Printing Speed

**20000mm/s<sup>2</sup>**

Acceleration



*Image: Exploded view of the Anycubic Kobra 2 Pro showing the frame, print head, filament holder, base, and touchscreen as separate modules for easy assembly.*

## **Step 3: Connecting Cables and Components**

Connect the print head, touchscreen, and other necessary cables as indicated in the installation manual. Pay attention to the labeled connectors.

# Make Your Creation One Step Ahead

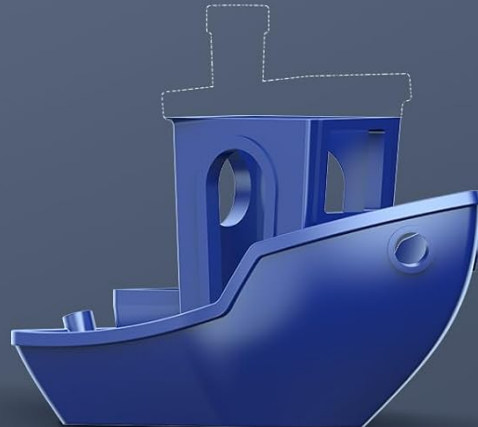
Reduce your time by 86%

14min56s



Anycubic Kobra 2 Pro

18min



Other

While brewing a cup of coffee, the printing could be completed

*Image: Detailed view of the Anycubic Kobra 2 Pro's optimized mechanical structure, highlighting the Z-axis dual spindle and X/Y-axis dual-shaft core for stable movement.*

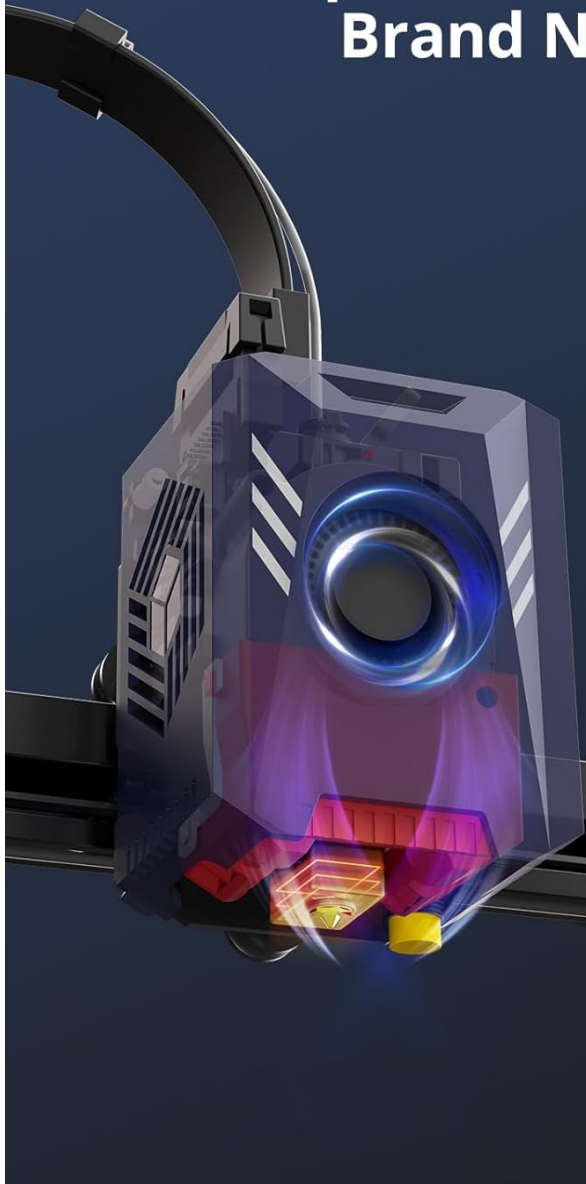
## OPERATING

### Powering On and Initial Calibration

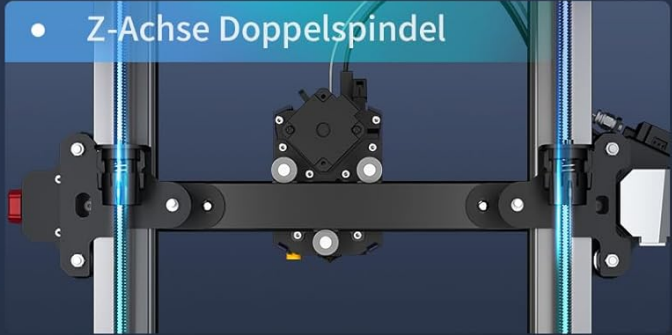
Once assembled, connect the power cord and turn on the printer. The touchscreen will guide you through initial setup, including language selection and network connection.

Perform the automatic bed leveling and vibration compensation as prompted. This ensures optimal print quality.

# Optimized Configuration Brand New Structure



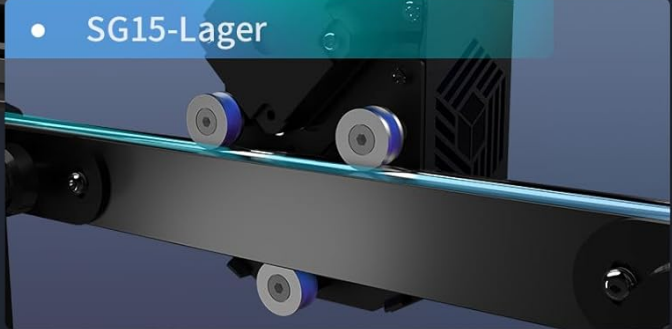
• Z-Achse Doppelspindel



• X/Y-Achse Doppelwellenkern



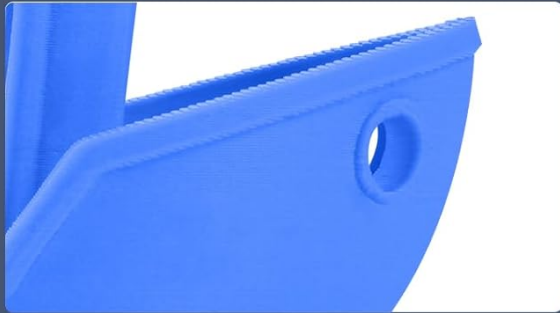
• SG15-Lager



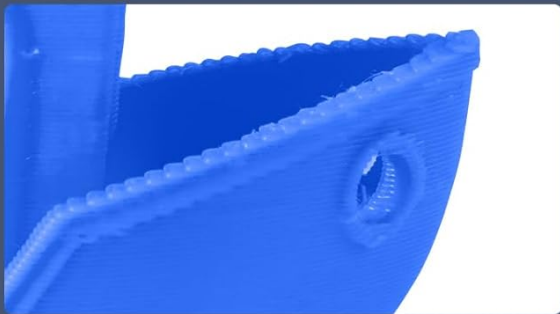
*Image: Illustration of the one-click automatic leveling and smart Z-offset feature, showing the print head probing the bed at multiple points.*

# Smooth and Detailed Endures Close Inspection

Smart adjustments are made to motion control, effectively eliminating resonance vertical lines and bracket lines, ensuring printing accuracy and stability



ON Vibration Compensation



OFF Vibration Compensation

Intelligent compensation for retraction and refill is provided, ensuring each layer is evenly and fully printed, enhancing the print quality and detail presentation



ON Flow Control



OFF Flow Control

*Image: Comparison showing the effect of vibration compensation and flow control on print quality, resulting in smoother and more detailed models.*

## Loading Filament

Place the filament spool on the filament holder. Feed the filament into the extruder until it is gripped by the gears.

## Printing Your First Model

The Anycubic Kobra 2 Pro supports high-speed printing. You can transfer models via USB or use the Anycubic App for online slicing and printing.

# One Click Automatic Leveling



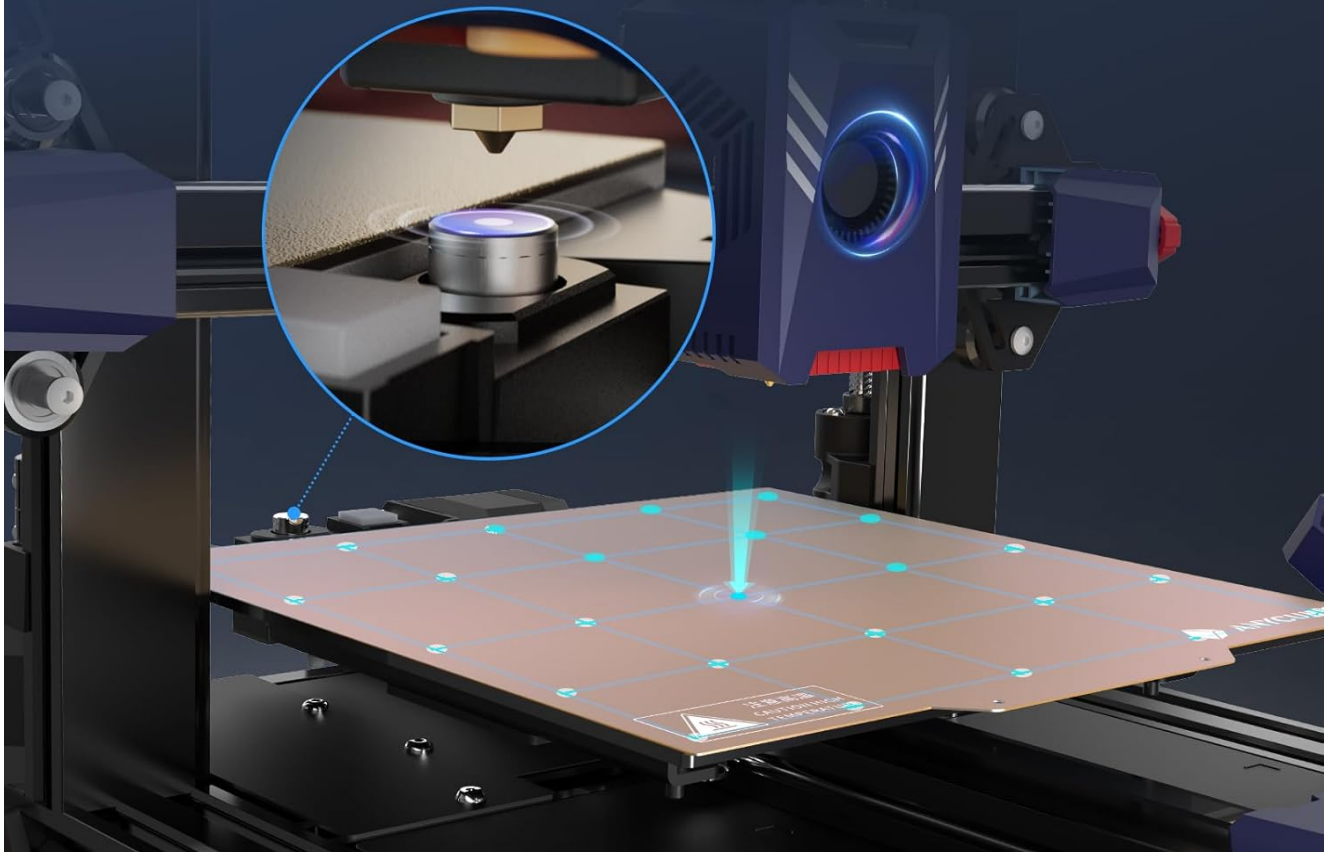
Auto-Leveling



Z-Offset



Improve Print Success



*Image: Depiction of the Anycubic App integration, allowing remote control, online printing, model library access, and firmware upgrading.*

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*Video: Anycubic Kobra 2 Pro FDM 3D Printer Speed Ace. This video highlights the high-speed printing capabilities of the Kobra 2 Pro.*

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*Video: Speed competition! Anycubic Kobra 2 Pro vs previous printer! This video demonstrates the speed advantage of the Kobra 2 Pro compared to older models.*

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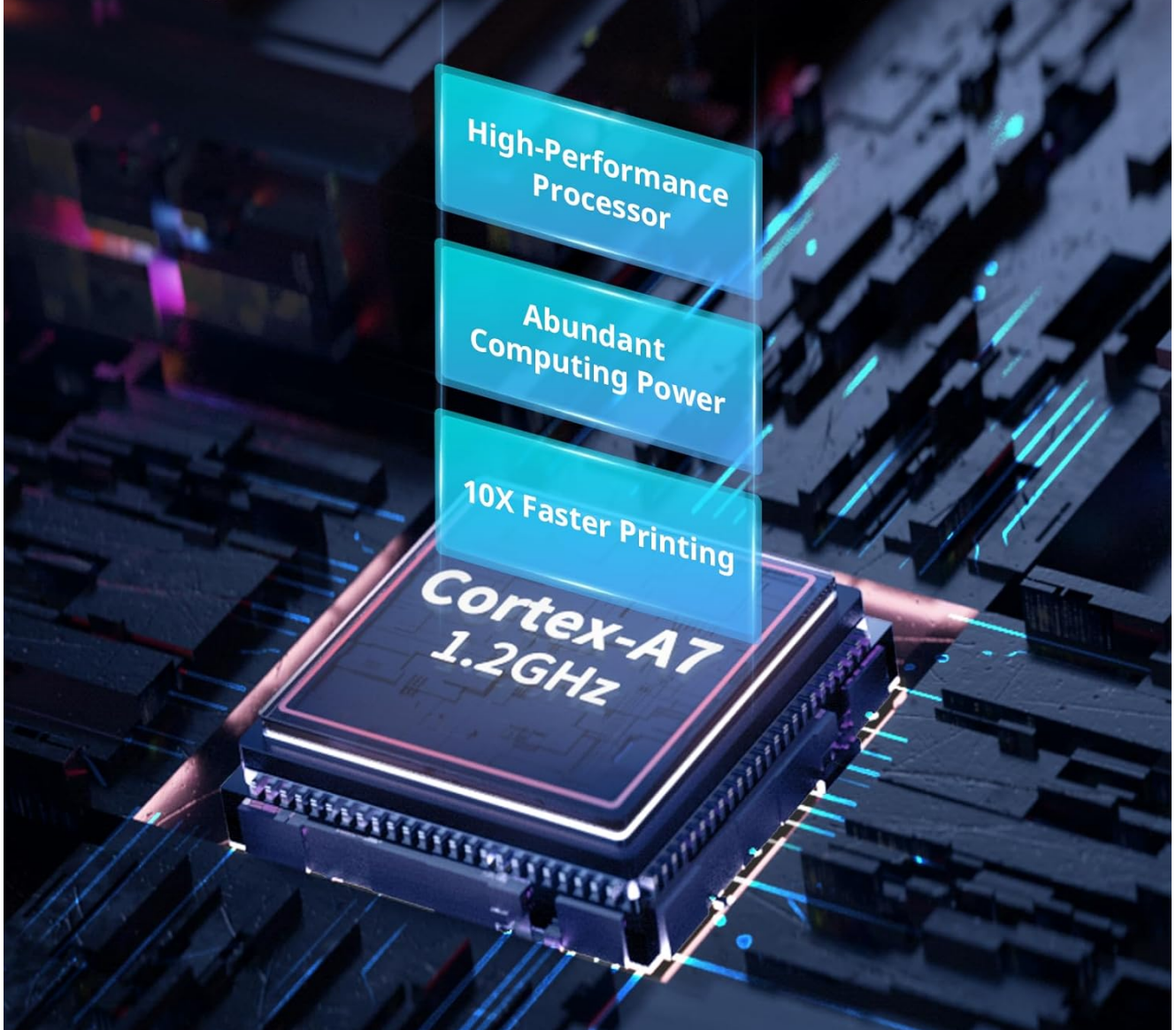
*Video: Halloween Decorations Printed by Anycubic Kobra 2 Series. This video showcases various Halloween-themed objects printed using the Anycubic Kobra 2 series, demonstrating print quality and versatility.*

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*Video: Thanks for Sharing By WildRoseBuilds - Anycubic Kobra 2 Pro. This video features a user demonstrating a 3D printed hand model, highlighting the printer's capability for detailed and functional prints.*

The printer features a spring steel magnetic platform for easy model removal after printing.

# High Power Powerful Computing



*Image: Infographic illustrating the 10X speed boost of the Anycubic Kobra 2 Pro, with a maximum printing speed of 500mm/s.*

## MAINTENANCE

### Regular Cleaning

- Regularly clean the print bed with isopropyl alcohol to ensure good adhesion.
- Keep the nozzle clean to prevent clogs and ensure smooth extrusion.
- Dust off the printer components periodically.

### Calibration

The automatic leveling system minimizes the need for manual calibration. However, if print quality degrades, re-run the auto-leveling and vibration compensation functions from the touchscreen.

## TROUBLESHOOTING

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Filament not extruding	Clogged nozzle, tangled filament, incorrect temperature	Clean or replace nozzle, untangle filament, check temperature settings
Poor bed adhesion	Unlevel bed, dirty print surface, incorrect Z-offset	Re-level bed, clean print surface, adjust Z-offset
Layer shifting	Loose belts, excessive print speed, motor issues	Check and tighten belts, reduce print speed, contact support if motor issues persist

## SPECIFICATIONS

Detailed technical specifications for the Anycubic Kobra 2 Pro:

Feature	Detail
Printing Technology	FDM (Fused Deposition Modeling)
Max Printing Speed	500mm/s
Typical Printing Speed	300mm/s
Build Volume	220x220x250mm (8.7"x8.7"x9.84")
Nozzle Temperature	≤ 260°C (500°F)
Heated Bed Temperature	≤ 110°C (230°F)
Supported Filaments	PLA, PETG, TPU, ABS
Leveling Mode	Automatic Leveling (LeviQ 2.0)
Connectivity	USB, Wi-Fi (via Anycubic App)
Processor	Cortex-A7 1.2Ghz
Product Dimensions	9.8"D x 9.8"W x 8.7"H
Item Weight	8.4 Kilograms (18.48 pounds)

## WARRANTY AND CUSTOMER SERVICE

Each Anycubic Kobra 2 Pro 3D Printer undergoes strict testing before delivery. It comes with a one-year after-sales service, with specific coverage for certain components:

- Print head repair service: 3 months
- Heated bed repair service: 6 months

For technical support and customer service, please contact Anycubic's 24/7 support team. You can also find additional resources and FAQs on the official Anycubic website or through the Anycubic App.

[Visit the ANYCUBIC Store for more information.](#)