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› Comgrow 3D Printer Filament Dryer Box Instruction Manual

Comgrow AK36WG-1200400J

Comgrow 3D Printer Filament Dryer Box Instruction Manual

Model: AK36WG-1200400J

1. INTRODUCTION

Thank you for choosing the Comgrow 3D Printer Filament Dryer Box. This device is designed to remove moisture from your 3D printer filaments, ensuring higher quality prints, improved layer adhesion, and smoother surfaces. This manual provides essential information for the safe and efficient operation of your filament dryer.

フィラメントを包み込むように乾燥



2本収納できる大容量



安定したサイクル乾燥



均一な内部温度



湿気を効果的に抑える

The Comgrow Filament Dryer Box, shown with two spools of filament and a digital display indicating a drying time of 5 hours and 33 minutes.

2. SAFETY INFORMATION

- Read all instructions before use.
- Keep the device away from water or other liquids.
- Do not operate if the power cord or plug is damaged.
- Ensure proper ventilation during operation.
- Do not touch heating elements directly.
- Unplug the device when not in use or before cleaning.
- This device is for indoor use only.

3. PRODUCT FEATURES

- **Large Capacity:** Accommodates two filament rolls up to 70mm wide each, or one filament roll up to 150mm wide. Compatible with 1.75mm, 2.85mm, and 3.00mm filaments.
- **Efficient Moisture Removal:** Prevents common printing issues like stringing, poor adhesion, and nozzle clogging caused by wet filament.
- **Real-time Display:** Shows internal temperature and humidity in real-time for precise monitoring.
- **Adjustable Settings:** Offers temperature settings of 40°C, 45°C, 50°C and time settings from 6 to 12 hours.
- **Power-Off Drying Mode:** Equipped with silicone and PTFE seals for long-term, power-free filament storage, protecting against moisture and dirt. Desiccant bags (not included) can be added to enhance efficiency.
- **Uniform Heating:** A built-in fan circulates air, providing 360° uniform heating for more effective and even drying of the filament.



Overview of the Comgrow Filament Dryer Box features, including its capacity, real-time display, and uniform heating.

4. SETUP

1. **Connect Power:** Plug the power adapter into the dryer box and then into a suitable power outlet.
2. **Load Filament:** Open the lid and place your filament spool(s) inside the dryer box. Ensure the filament unwinds counter-clockwise. Guide the filament end through the designated filament outlet.
3. **Initial Settings:** Press the power button to turn on the device. Use the 'M' button to select drying time and temperature. Adjust values using the up/down buttons. Press 'M' again to confirm and start the drying process.

ステップ1: 電源を入れる。 	ステップ3: Sフィラメントドライヤーボックスのスイッチを入れます。Mボタンを押して乾燥時間と温度を設定し、Mの下ボタンを押して調整します。設定後、もう一度Mを押してWORKモードに入ります。 
 ステップ2: フィラメントをフィラメント出口に通します。フィラメントの一端はフィラメント出口に近づけ、方向は反時計回りです。	 ステップ4: 印刷を楽しもう。

5. OPERATING INSTRUCTIONS

5.1. Filament Compatibility and Recommended Settings

The dryer box supports various filament types. Refer to the table below for recommended temperature ranges:

Filament Type	Recommended Temperature
PLA/PLA+/WOOD	40-50°C
ABS/ABS+/PVA/PA	50-55°C
PETG/TPU	48-52°C

The dryer is compatible with all standard filament diameters: 1.75mm, 2.85mm, and 3.00mm.

99%の3Dプリンター用のフィラメントに対応

1.75 / 2.85 / 3.0mm

PLA / PLA+ / WOOD
40-50°C

ABS / ABS+ / PVA / PA
50-55°C

PETG / TPU
48-52°C

PLA/PLA+

PETG

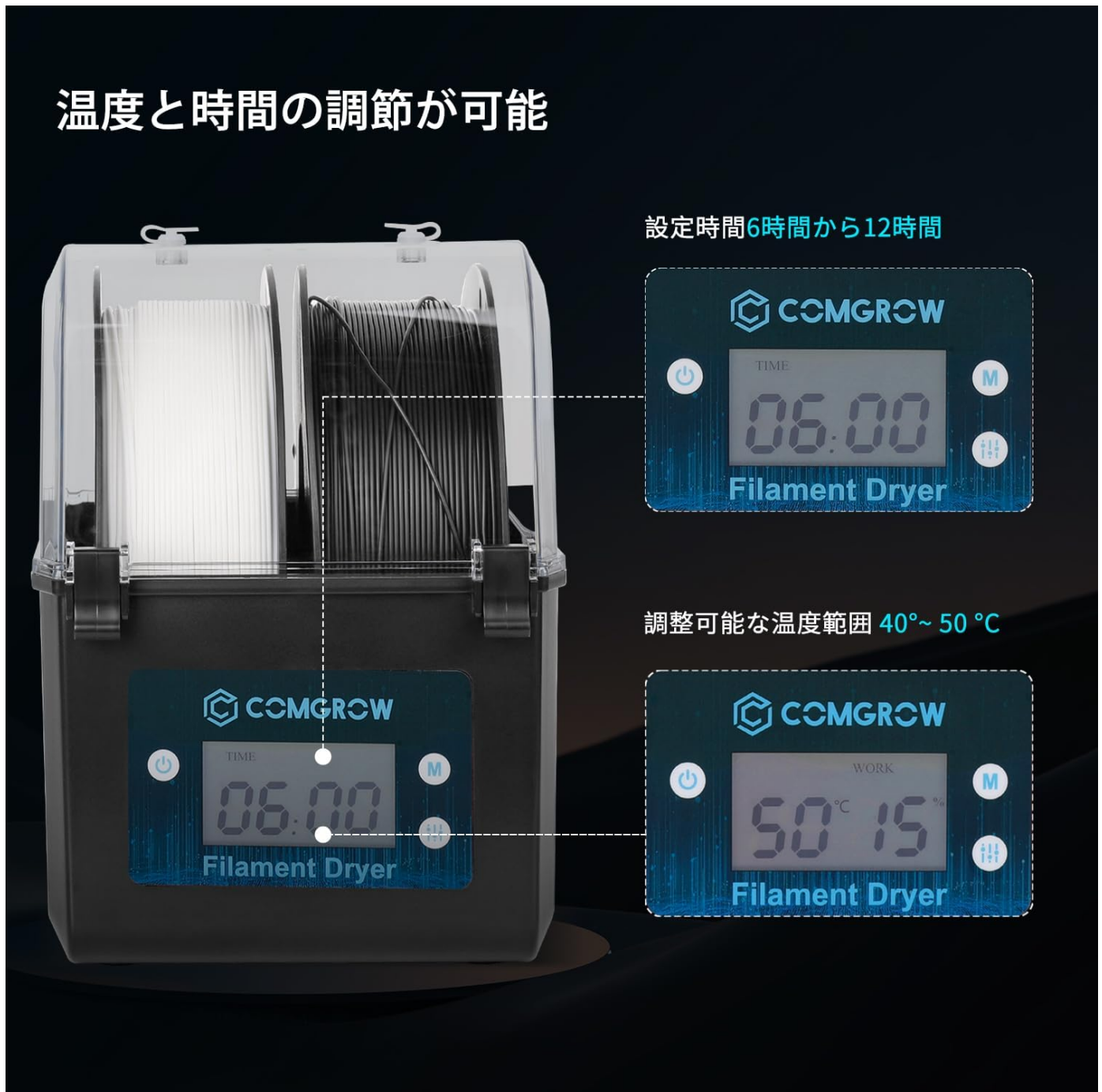
ABS

PC

PA

5.2. Temperature and Time Adjustment

The device allows you to set the drying temperature and duration. The available temperature settings are 40°C, 45°C, and 50°C. The drying time can be set from 6 to 12 hours. During heating, ensure the PTFE seal on the top of the box is slightly open to allow moisture to evaporate.



The digital display showing adjustable time (6-12 hours) and temperature (40-50°C) settings.

5.3. Continuous Drying During Printing

The Comgrow Filament Dryer Box can be used to dry filament continuously while printing. This helps maintain optimal filament conditions throughout long print jobs, further improving print quality.

6. MAINTENANCE

- **Cleaning:** Disconnect the power before cleaning. Wipe the exterior with a soft, dry cloth. Do not use abrasive cleaners or

immerse the device in water.

- **Desiccant:** For enhanced drying and long-term storage without power, place 4 bags of desiccant (not included) inside the dryer box. Replace desiccant as needed.
- **Storage:** When not in use, store the dryer box in a cool, dry place.

7. TROUBLESHOOTING

- **Humidity not decreasing sufficiently:** Ensure the PTFE seal on the lid is slightly open during heating to allow moisture to escape. If using desiccant, ensure it is fresh and effective.
- **Temperature not reaching maximum (e.g., 50°C):** In rooms with ambient temperatures below 16°C, the internal temperature may not reach the maximum set value. This does not significantly reduce drying effectiveness.
- **Filament tangling inside the box:** Ensure spools are loaded correctly and filament is guided smoothly through the outlet. Check for any obstructions.
- **Unusual noise during operation:** The built-in fan may produce a low hum. If the noise is excessive or unusual, discontinue use and contact support.



Visual comparison of print quality, highlighting improvements after using the filament dryer.

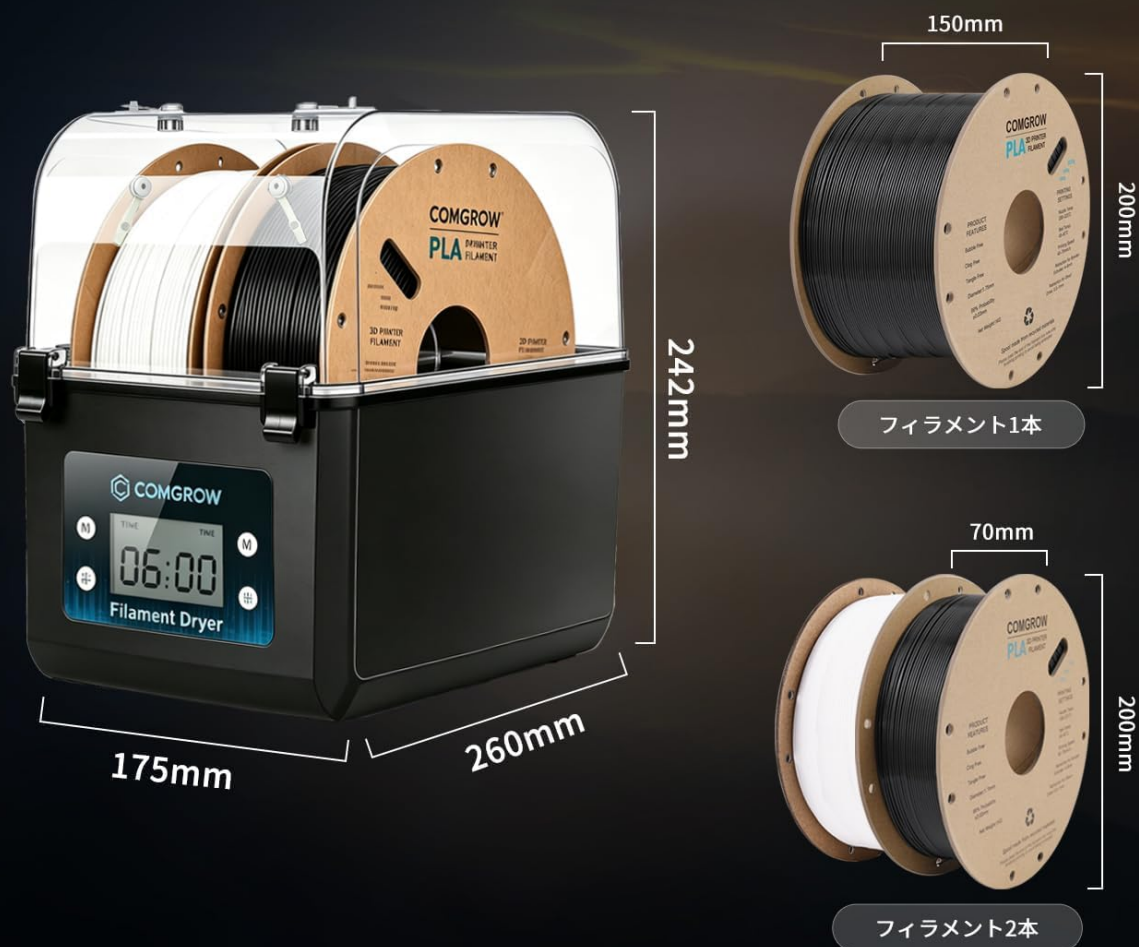
8. SPECIFICATIONS

Attribute	Value
Brand	Comgrow
Model Number	AK36WG-1200400J
Package Dimensions	28 x 27.6 x 19.8 cm
Item Weight	1.65 Kilograms
Color	Black
Filament Compatibility	1.75mm, 2.85mm, 3.00mm
Temperature Settings	40°C, 45°C, 50°C
Time Settings	6-12 hours

Attribute	Value
Display	Real-time Temperature/Humidity

フィラメント大容量恒温乾燥ボックス

幅70mmまでのフィラメントロールを2本、または幅150mmまでのフィラメントロールを1本入れることができます。



Detailed dimensions and capacity of the filament dryer box.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your product packaging or visit the official Comgrow website. Please have your model number (AK36WG-1200400J) and purchase date ready when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question