

DS20BK1A-O

Anycubic ACE 2 Pro for Kobra 3 Max

Product Overview

Anycubic ACE 2 Pro for Kobra 3 Max, Anycubic ACE 2 Pro is a multi-material Filament feed and drying Hub for Kobra 3 Max, Features Four Independent Brushless motors with Active feed and retract capability, Delivers feed rates up to 50 mm/s for smooth Operation, Provides Active drying functionality at temperatures reaching 65 Degrees C while printing, Includes sealed storage with Silicone sealing Ring for moisture protection, Equipped with Built-In temperature and Humidity sensors for Real-Time monitoring, Utilizes alumina Ceramic Filament feeding Ports to reduce abrasion, Supports Filament runout detection and auto-resume printing features, Compatible with Filament Diameter of 1.75 mm for various materials, Accepts spools with flange diameters between 195mm to 200mm





Specifications

Overview Summary:

Enhance your multi-material 3D printing experience with the Anycubic ACE 2 Pro, a next-generation filament feed and drying hub specifically engineered for the Kobra 3 Max. This advanced device ensures your filaments remain dry and fresh during long print jobs with its active drying system that operates at up to 65degrees C while you work, effectively preventing moisture-related failures. With four independent brushless motors and a high-speed buffer mechanism, users enjoy smooth filament changes and reduced jams, making it the ideal upgrade for serious makers in South Africa looking to improve print quality.

The unit features intelligent monitoring with built-in temperature and humidity sensors that display real-time data on your printer screen or app. Its sealed storage design with a silicone ring actively expels moisture using an electromagnetic valve, while alumina ceramic ports ensure long-lasting durability against abrasive materials. Whether you are printing with flexible filaments like TPU or high-performance composites, the ACE 2 Pro delivers reliable performance and quiet operation suitable for any workshop environment.

Performance tier:High

Uses:Multi-material printing, filament drying, moisture control, automated material switching, jam prevention

Overview:

Description:

The Anycubic ACE 2 Pro (Part Number: DS20BK1A-O) is a high-performance multi-material filament feed and drying hub specifically engineered for the Kobra 3 Max. This advanced accessory transforms your printing workflow by maintaining filament quality through active drying at temperatures up to 65degrees C while you print, ensuring consistent results free from moisture damage. It features four independent brushless motors that drive a buffer mechanism capable of feeding filament at an impressive 50 mm/s, significantly reducing jams and improving reliability. With smart sensors for real-time temperature and humidity monitoring, sealed storage capabilities, and durable alumina ceramic ports, this unit is designed to handle demanding materials like carbon fiber reinforced filaments with ease.

Features:

Key Features:

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Product Specification Sheet

Upgrade your 3D printing setup with a system that combines speed, reliability, and intelligent moisture control. The ACE 2 Pro eliminates the frustration of wet filament ruining complex prints by actively drying spools and storing them in a sealed environment protected by an electromagnetic valve and silicone ring. Its high-speed feed rate ensures smooth transitions between colors or materials, while the quiet operation keeps your workspace peaceful.

- 4-channel active feed and retract system with independent brushless motors
- Active drying capability up to 65degrees C compatible with simultaneous printing
- Rapid filament feed rate of 50 mm/s for faster multi-material switching
- Built-in temperature and humidity sensors with real-time data on the app and printer screen
- Durable alumina ceramic feeding ports resistant to abrasion from composite filaments
- Sealed storage design that actively expels moisture via an electromagnetic valve
- Quick-release external buffer channel for effortless jam clearing
- Filament runout detection with auto-resume functionality to save prints
- Quiet operation under 48 dB during closed-door printing

Technical Specifications:

Built with a robust ABS and PC housing, this unit is designed for longevity in demanding environments. It supports a wide range of materials including PLA, PETG, ABS, ASA, various carbon fiber composites, TPU, and specialty filaments like PVA and BVOH when kept dry. The system accommodates standard spools with a flange diameter between 195mm and 200mm.

- Housing Material: ABS / PC
- Motors: Four independent brushless motors
- Power Rating: 330W Max (220V) or 235W Max (110V)
- Filament Diameter: 1.75 mm
- Dimensions: 368 x 291.5 x 236.5mm
- Weight: 3700g
- Spool Compatibility: Flange diameter 195-200mm, width 60-68mm, thickness 3-6mm
- Printer Compatibility: Anycubic Kobra 3 Max

What's in the Box

Everything required to integrate this hub into your existing setup is included.

- Anycubic ACE 2 Pro unit x1
- Power Cord x1
- Single Cable A and Single Cable B x1 each
- Teflon Tubes x4
- Cable Clips x4
- Purge Wiper for Kobra 3 Max series x1
- 4-in-1 Filament Hub x1
- M3*7 screws x2

Note: This product contains only the ACE 2 Pro unit and does not include additional filaments or the Kobra 3 Max printer shown in promotional imagery.

Specifications:

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Specifications

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Product Specification Sheet

Product Code	DS20BK1A-O
Housing Material	ABS / PC
Motors	Brushless motor *4
Active Moisture Control	Supported
Sealed Storage	Supported
Externally Mounted PTFE Tube	Supported
Temp. & Humidity Monitoring?	Supported, display on APP, slicer & printer screen
Filament Intelligent Identification	Supported
Filament Runout Detection	Supported
Auto-Resume Printing	Supported
Power Rating	220V: 330W Max , 110V: 235W Max
Max. Drying Temp	65 degreesC
Machine Dimensions	368 x 291.5 x 236.5mm ³
Machine Weight	3700g
Supporting Filaments	PLA, PETG, ABS, ASA, PET, PA, PC, PVA (dry), BVOH (dry), PP, POM, HIPS, PLA-CF, PETG-CF, PAHT-CF, TPU (for ACE), PVB
Filament Diameter	1.75 mm
Spool Compatibility	Flange diameter: 195-200mm , Spool width: 60-68mm , Flange thickness: 3-6mm
Printer Compatibility	Kobra 3 Max
Drying Efficacy	Suitable for drying: PLA, PETG, PVB , Compatible but not optimal: ASA, ABS, PET, PA, PC, PP, BVOH, POM, HIPS, Fiber-reinforced materials

FAQ

Is the Anycubic ACE 2 Pro compatible with printers other than the Kobra 3 Max?

The product information specifies that this hub is designed for the Anycubic Kobra 3 Max and mentions it is a next-generation feed system for Anycubic FDM printers including the Kobra 3 Max, but does not list other specific models as supported.

Can I dry my filament while the printer is actively running?

Yes, the ACE 2 Pro features an active drying system that reaches up to 65degrees C and works simultaneously with printing, allowing you to keep your spools fresh without stopping production.

What specific filaments are best suited for the drying function of this hub?

The device is most suitable for drying PLA, PETG, and PVB. It can also handle ASA, ABS, PET, PA, PC, PP, BVOH, POM, HIPS, and fiber-reinforced materials, though these are listed as compatible but not optimal for the active drying process.

How does the system prevent filament jams during operation?

The hub uses four independent brushless motors with a buffer mechanism to ensure smooth feeding at 50 mm/s. It also features an externally mounted quick-release PTFE tube that allows users to clear any jams quickly and easily.

What are the power requirements for operating this unit?

The ACE 2 Pro draws a maximum of 330W at 220V or 235W at 110V. It operates quietly, producing under 48 dB when used with closed-door printing.

Does the package include the Anycubic Kobra 3 Max printer?

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Product Specification Sheet

No, this product only contains the ACE 2 Pro unit and associated accessories like power cords and tubes; it does not include the Kobra 3 Max printer or any additional filaments.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: <https://www.comx-computers.co.za/DS20BK1A-O-Anycubic-ACE-2-Pro-for-Kobra-3-Max-Buy-p-341081.php>

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