ComX Computers
Product Specification Sheet

DS20BK2A-O

Anycubic ACE 2 Pro multi-material Filament Hub and dryer - for Kobra X and S1/M

Product Overview

Anycubic ACE 2 Pro multi-material Filament Hub and dryer - for Kobra X and S1/M, Compatible with Kobra x / S1 Max / S1 / 3 Max / 3 v2 / 3 printers, Supports Active drying at temperatures up to 65 degreesC during printing, Features Four Independent Brushless motors for Quiet Operation under 48 dB, Maintains Filament freshness with sealed storage and electromagnetic moisture valve, Includes Next-Generation Buffer mechanism that doubles loading Speed, Uses alumina Ceramic Filament feeding Port for superior wear resistance, Monitors temperature and Humidity in Real Time via App and screen Display, Handles Four spools with flange Diameter of 195-200mm and width of 60-68mm, Detects Filament runout and supports auto-resume printing functions, Compatible with 1.75 mm Filament Diameter











Specifications

Overview Summary:

Enhance your FDM printing capabilities in South Africa with the Anycubic ACE 2 Pro, the ultimate active filament dryer and feeding hub designed to keep your workflow uninterrupted. This intelligent accessory allows you to dry and print simultaneously at up to 65 degrees C, ensuring your filaments remain fresh and moisture-free without ever pausing a job. Whether you are using the Kobra X, S1, or S1 Max, this compact yet powerful unit integrates seamlessly to manage four independent channels with near-silent brushless motors.

Featuring advanced monitoring sensors, real-time humidity control, and a durable alumina ceramic feeding port, the ACE 2 Pro eliminates guesswork and prevents jams before they happen. Upgrade your setup today for smoother color changes, reduced maintenance, and professional-grade results on every print. Buy now to experience the next generation of automated filament management.

Performance tier: High-End Professional

Uses: Multi-material printing, active filament drying, 4-color workflow automation, FDM printing support, moisture control for sensitive materials

Overview:

Anycubic ACE 2 Pro - 4-Channel Active Filament Dryer and Feeder
The Anycubic ACE 2 Pro (Part Number: DS20BK2A-O) redefines the multi-material printing experience by serving as an intelligent hub designed specifically for FDM makers using Kobra X, S1, and S1 Max printers. This device eliminates the need to pause print jobs for filament maintenance, integrating active drying with continuous feeding in a single, seamless unit. By combining four independent brushless motors with advanced moisture control technology, it ensures that your materials remain fresh and ready, significantly reducing the risk of jams or poor layer adhesion caused by humidity.

Description:

This high-performance filament hub is engineered to keep your 3D printing workflow uninterrupted. It features a robust sealed storage system with real-time environmental monitoring, ensuring filaments stay dry at temperatures up to 65 degrees C while you print. The unit utilizes durable alumina ceramic ports and next-generation buffer mechanisms for faster loading speeds and near-silent operation under 48 dB. With intelligent filament identification and automatic jam detection, the ACE 2 Pro offers a reliable solution for managing four colors simultaneously without manual intervention.

Features:

Streamlined Multi-Material Workflow
Moving away from the frustration of manual filament swaps and separate drying cycles, this hub allows you to maintain peak material quality throughout your entire print. The system actively manages moisture levels using an electromagnetic valve that expels humidity while a silicone sealing ring prevents external air from entering. Real-time data on temperature and conditions is accessible directly through your printer screen or mobile app, giving you full visibility into the state of your materials at all times.

The feeding mechanism has been significantly upgraded to prioritize speed and reliability. Four independent brushless motors drive a next-generation buffer system that doubles loading speeds compared to previous generations. Each motor is rated for over 5,000 hours of operation, ensuring long-term stability across all four channels. The inclusion of an alumina ceramic filament feeding port provides superior abrasion resistance, outlasting standard plastic alternatives and reducing the need for frequent maintenance or part replacements.

Smart Monitoring and Maintenance
Maintaining a jam-free environment is essential for complex prints, and the ACE 2 Pro delivers on this with intelligent safeguards. The system detects filament runout automatically and supports auto-resume functionality to minimize downtime when spools are depleted. If a jam does occur, the quick-release external feeding channel allows for rapid disassembly, enabling you to clear obstructions in seconds rather than minutes. Additionally, the device can auto-detect parameters for Anycubic proprietary filaments when connected, removing the need for manual profile configuration.

- Dry and print simultaneously with active 65 degrees C drying capability
- Four independent brushless motors operating at under 48 dB for quiet performance
- Next-generation buffer mechanism doubles filament loading speed
- Sealed storage with electromagnetic moisture valve and humidity monitoring
- Durable alumina ceramic feeding port resistant to wear
- Filament runout detection and auto-resume printing support
- Quick-release channel for rapid jam clearance
- Intelligent identification of Anycubic filament parameters

Technical Specifications:

The unit is built with a durable ABS and PC construction, weighing 3.7 kg without packaging. It supports standard 1.75 mm filament diameter materials and can accommodate up to four spools simultaneously. The maximum spool capacity accommodates flanges between 195-200mm in diameter, widths of 60-68mm, and thicknesses of 3-6mm. The package dimensions are 445 x 345 x 320 mm with a total shipping weight of 4.8 kg.

- Brand: Anycubic
- Product Name: ACE 2 Pro
- Part Number: DS20BK2A-O
- Type: Multi-Material Filament Hub and Dryer
- Compatible Models: Kobra X, S1 Max, S1, 3 Max, 3 V2, 3
- Channels: 4 Independent Channels
- Drying Temperature: Up to 65 degreesC
- Noise Level: Under 48 dB

What's in the Box
Every package includes everything needed to integrate this hub into your existing setup immediately. The contents are tailored for compatibility with Kobra X, S1 Max, and S1 printers.

- Anycubic ACE 2 Pro unit
- Power Cord

- Single Cable - A and B (x2)
- Teflon Tube (x4)
- Cable Clip (x4)
- Adapter Plate for Kobra X / S1 Max / S1
- Return Detection Module with 4-in-1 Filament Hub
- M2.5x6 screws (x2)
- M2.5x25 screws (x2)

Why Choose Anycubic

Anycubic continues to push the boundaries of desktop 3D printing hardware by bridging professional capabilities with everyday usability. From precision hotends to intelligent multi-material systems, their accessories are designed to integrate seamlessly into a cohesive ecosystem. This hub empowers makers to tackle more complex, colorful, and demanding projects with confidence.

Specifications:

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Specifications	
Product Code	DS20BK2A-O
Brand	Anycubic
Product Name	Anycubic ACE 2 Pro
Manufacturer	Anycubic
Accessory Type	Multi-Material / Filament Hub & Dryer
Printer Technology	FDM
Compatible Printer Models	Kobra X, Kobra S1 Max, Kobra S1, Kobra 3 Max, Kobra 3 V2, Kobra 3
Quantity per Pack	1
Weight	3.7 kg
Package Dimensions	445 x 345 x 320 mm
Package Weight	4.8 kg
Number of Channels	4
Compatible Filament Diameter	1.75 mm
Hub / Feed Type	Active Filament Dryer and Feeder Hub with Buffer Mechanism
Product Dimensions	368 x 291.5 x 236.5 mm
Product Material	ABS / PC
Maximum Spool Capacity	4 spools (Flange diameter: 195-200mm , Spool width: 60-68mm , Flange thickness: 3-6mm)

FAQ

Which printer models are compatible with the Anycubic ACE 2 Pro?

The hub is designed to work seamlessly with Kobra X, Kobra S1 Max, Kobra S1, Kobra 3 Max, Kobra 3 V2, and Kobra 3 printers.

Can I dry my filament while the printer is running a job?
Yes, the ACE 2 Pro supports simultaneous printing and drying by maintaining an active chamber temperature of up to 65 degrees C without pausing your print.

How does this hub manage humidity for moisture-sensitive materials?
The system features sealed storage with a silicone sealing ring and an electromagnetic moisture valve that actively expels water vapor, while built-in sensors monitor conditions in real time.

What filament sizes and spool dimensions does the ACE 2 Pro support?
This hub accommodates four channels of standard 1.75 mm filament using up to four spools with a flange diameter between 195-200mm, width of 60-68mm, and thickness of 3-6mm.

Is the feeding mechanism quiet enough for home use?
The unit operates at under 48 dB during closed-door printing thanks to four independent brushless motors, ensuring a near-silent workflow compared to standard alternatives.

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/DS20BK2A-O-Anycubic-ACE-2-Pro-multi-material-Filament-Hub-and-dryer-for-Kobra-X-p-341780.php

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