

## **Airwolf 3D Introduces The New Axiom 2 Dual Head Professional Grade 3D Printer**

*New multi-material desktop 3D printer can independently control the temperature of two separate, high temperature, print heads to create material combinations not previously possible such as polycarbonate and ABS hybrid parts.*

Airwolf 3D today unveils the AXIOM 2, a [new dual extruder 3D](#) printer targeted at advanced 3D printing applications.

The AXIOM 2 debuts at the Pacific Design & Manufacturing 2016 Show on February 9 – 11, 2016 at the Anaheim California convention center, in the Airwolf 3D booth 3386.

Airwolf 3D continues to deliver on its strategic vision for the 3D printing industry by unveiling the AXIOM 2 featuring dual hotends, auto leveling, an “easy feed” filament load system, an enclosed print environment for heat containment and an end-user replaceable cassette system (ERC) for serviceability and upgradeability. Based on the highly successful AXIOM, a clean-sheet design, AXIOM 2 has two independently controllable high temperature nozzles capable of printing high-resolution prototypes, molds and products in combinations of over 30 different thermoplastic materials at the touch of a button. In addition, existing AXIOM customers will be able to upgrade their machines to full AXIOM 2 specifications.

A state-of-the-art CoreXY motion control system provides high-speed movement and precise control of the print head. Utilizing a fully enclosed housing made of extruded aluminum and injection molded polycarbonate components, AXIOM 2 can print pieces as large as 12”x8”x9.5”, three to four times larger than competing products. The fully enclosed printer comes standard with a heated bed that creates a consistent heat environment for printing large, multi-material high-resolution parts. The printer supports a wide range of thermoplastics – from low-temperature materials such as [TPU](#) and [PLA](#), to high temperature materials such as nylon and polycarbonate.

Ease-of-use has been paramount in the design with the integration of a print bed auto-leveling system. Prior to every 3D print, the four-point print bed leveling system automatically calibrates the print bed ensuring proper initial layer height and orientation, and then actively maintains that leveling throughout the entire print process. Once calibrated, the AXIOM 2 is a set-and-forget operation.

The innovative End-User Replaceable Cassette (ERC) integrates the extruder and CoreXY assembly into a single ‘cassette’ that is field replaceable by the end-user. This unique approach allows the product to be serviced quickly, minimizing downtime. The ERC also allows end-users to easily upgrade to the latest technology protecting their initial purchase investment. The AXIOM 2’s dual JRx (jam resistant) hot ends can operate continuously at sustained temperatures of 315 degrees Celsius (599 degrees Fahrenheit) to print engineering-grade materials such as [polycarbonate](#), and numerous forms of [nylon](#) including Bridge Nylon and [910 Alloy](#).

“The AXIOM 2 sets the new standard in multi-material desktop 3D printing. We can independently control the temperature of two separate, high temperature, print heads to create material combinations not previously possible such as polycarbonate and ABS hybrid parts having high rigidity in some areas and ductility in others,” said Erick Wolf, founder and chairman, Airwolf 3D.

Airwolf 3D is currently taking pre-orders for the AXIOM 2 with initial shipments beginning in early-March. The AXIOM 2 has a suggested retail price of \$4995. Current AXIOM customers can also send their printers to Airwolf 3D's headquarters to upgrade their existing machines for \$1,495, inclusive of shipping and labor (in the continental U.S.). All AXIOM products are manufactured at the corporate facility in Costa Mesa, CA and come standard with a 12-month warranty. The AXIOM 2 can be purchased or leased directly from Airwolf 3D or through their international network of 3D printer resellers covering more than 20 countries.



#### ABOUT AIRWOLF 3D

[Airwolf 3D](#) is committed to manufacturing high-performance 3D printers that are fast, affordable, durable and easy to use. Airwolf 3D printers can be found in engineering firms, government agencies and schools worldwide. Currently the company is expanding its U.S. and international reseller network. To learn more about becoming an Authorized Reseller, contact [mark@airwolf3d.com](mailto:mark@airwolf3d.com). For product information visit [www.airwolf3d.com](http://www.airwolf3d.com), telephone (949) 478-2933, email [info@airwolf3d.com](mailto:info@airwolf3d.com), or visit the company's showroom at 130 McCormick, Suite 105, Costa Mesa, CA 92636 for a free demonstration.



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