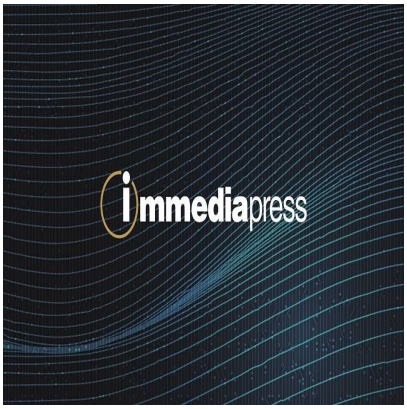


Tool changer. Game changer. Bambu Lab presents H3C â?? the defining new generation of 3D printers

Descrizione

default watermark

COMUNICATO STAMPA â?? CONTENUTO PROMOZIONALE

AUSTIN, Texas, Nov. 3, 2026 /PRNewswire/ â?? Bambu Lab today introduces the H3C, the companyâ??s first thirdâ??generation desktop 3D printer. Built around a nineâ??tool Swaptekâ?¢ architecture, the H3C finally eliminates the longâ??standing compromise between speed, reliability and easeâ??ofâ??use that has haunted multiâ??material FFF printing since the early days of the technology. For makers, H3C turns multiâ??material printing into a single, effortless workflow â?? letting ideas, not hardware, define what can be created.

A Toolâ??Changer That Changes the Game

When the X1 and P1 arrived in 2022, they turned the painful, trialâ??andâ??error calibration routine of multiâ??color printing into a smooth, reliable experience. Yet, even those groundbreaking machines left one challenge unsolved: the laborâ??intensive, timeâ??consuming process of switching between several filaments in a single print. The H3Câ??s Swaptekâ?¢ toolâ??changer tackles that problem headâ??on. By keeping 9 independent print tools permanently loaded, preâ??heated and ready, the printer can change material in under 6 seconds â?? a speed that makes fast, reliable and simple multiâ??material printing a single, unified reality.

Introducing the H3C â?? The New Standard

The H3C is Bambu Labâ??s first printer conceived from the ground up around a dedicated toolâ??changer. It combines 9 readyâ??toâ??print tools, a flexibleâ??material extruder and an integrated filamentâ??management system in a footprint no larger than a singleâ??spool Aâ??Series printer. The result is a machine that makes reaching for nine different filaments feel as natural as grabbing a single spool.

Core Innovations

Swaptekâ?¢ â?? Nine Tools, Sixâ??Second Switches

At the heart of the H3C lies the Swaptekâ?¢ system, a nineâ??tool architecture that replaces the conventional singleâ??head, loadâ??andâ??unload approach. Each tool carries its own filament path and heating element, so the material stays loaded and preâ??heated at all times.

When a change is required, the system activates Active Preâ??Heat â?? reading the upcoming Gâ??code, it begins heating the next nozzle while the current tool finishes its segment. By the time the mechanical change occurs, the new nozzle is already at temperature, and a brief priming sequence brings the fresh filament back to the model in 6 seconds with minimal waste.

The Retractable Rack complements this speed. During printing, the guide tubes are folded back, giving the user a clear view of the part, reducing vibration and freeing Zâ??axis height for taller builds. The rack also prevents the tubes from striking each other, a subtle but decisive detail that improves long, multiâ??material jobs.

default watermark

Swaptek is more than a mechanism; it is an architecture that supports automatic docking, toolâ??offset compensation and full bedâ??leveling before every print, keeping the complexity inside the machine instead of in the userâ??s workflow.

FlexFeed Extruder â?? TPU Without the Struggle

The FlexFeed extruder handles both 1.75â?¯mm and 2.85â?¯mm filament, switching on the fly. A dedicated 2.85â?¯mm path for TPU keeps the soft filament rigid under pressure, allowing it to be extruded at up to three times the flow rate of a classic printer. The result is reliable printing of TPU as soft as 75A, opening the door to better shoe-printing, comfortable wearables, flexible hinges and softâ??robotic components that previously required specialist hardware.

AMSâ?¯3H â?? Integrated Filament Management

All 9 spools sit inside AMSâ?¯3H, a sealed, airtight chamber that protects filament from moisture. Filament feeds automatically to the appropriate tool, and dedicated TPU inlets let flexible material be drawn straight from the AMS.

The builtâ??in drying module can heat to 85Â°C while printing continues, making it practical to use engineering polymers such as PA, PC and carbonâ??fiber blends. By attaching a original AMS to toolâ?¯1, the system can be expanded to 24 materials; additional drying capacity is provided by optional AMS 2â?¯Pro and AMSâ?¯HT units, all while preserving the same footprint.

A Lighter Head, Robust Heat Management and New Cooling

The H3Câ??s motion platform is 40% lighter than its predecessor, enabling accelerations of 25,000 mm/sÂ² and moves at up to 1,400 mm/s without the ringing that normally accompanies such velocities.

Every H3C hotendâ??s nozzle â?? from 0.2mm all the way to 0.8mm â?? is made from fully hardened steel with a hardness of HRC 55+, engineered to withstand abrasive filaments like carbon fiber, glass fiber, and other composites.

Heat is managed with a dualâ??heater active system: the build chamber is heated to 65Â°C by a contact sensor that provides precise, stable control, while each of the nine tools can reach 350Â°C, supporting ABS, PC, PAâ??CF, PETâ??CF and other highâ??temperature polymers. Cooling is handled by a fourâ??layer system â?? a CFDâ??engineered partâ??cooling fan, two sideâ??chamber fans, a dedicated toolâ??head fan and a rear chamber fan that regulates the overall buildâ??space temperature. Together they keep highâ??speed prints crisp, overhangs solid and bridges clean, regardless of ambient conditions.

default watermark

What the H3C Gives Makers

The engineering behind the H3C unlocks a suite of practical possibilities that were previously out of reach for desktop users.

All You Need in One Single Machine

The H3C proves that detail, speed and function can coexist in a single print. Zeroâ??touch autoâ??calibration and automatic tool changes keep the workflow seamlessâ??whether youâ??re swapping nozzle sizes, mixing nine colours, or switching from printing to cutting, you start a job with a single click and let the H3C handle the rest. By erasing the entry barriers that once kept novices away and reclaiming the minutes advanced users spent on manual adjustments, the H3C turns nineâ??material, multiâ??tool production into an everyday reality. Available as an optional accessory, the extra Bird-eye camera lets you liveâ??monitor your print from two viewpoints.

In the end, the hardware no longer limits imaginationâ??the idea itself becomes the only limitation.

Official Accessories-sold separately

Designed to let the H3C blend naturally into your workspace.

Pricing & Availability

About Bambu Lab

Bambu Lab is a consumer-tech company focusing on desktop 3D printers. Its state-of-the-art 3D printers offer a feature-rich first-class experience for a global community of 3D printing makers, aiming to break the barriers between the digital and physical worlds and bring creativity to a whole new level. Bambu Lab sells its 3D printers, filaments, and accessories on its official website, serving customers across 30+ countries.

Learn more at Bambu Lab Official Website

View original content to download multimedia:https://www.prnewswire.co.uk/news-releases/tool-changer-game-changer-bambu-lab-presents-h3câ??the-defining-new-generation-of-3d-printers-302927770.html

default watermark

Copyright 2026 PR Newswire. All Rights Reserved.

COMUNICATO STAMPA â?? CONTENUTO PROMOZIONALE: Immediapress Ã¨ un servizio di diffusione di comunicati stampa in testo originale redatto direttamente dallâ??ente che lo emette. Lâ??Adnkronos e Immediapress non sono responsabili per i contenuti dei comunicati trasmessi

â??

immediapress/pr-newswire

Categoria

1. Comunicati

Tag

1. ImmediaPress

Data di creazione
Novembre 3, 2026
Autore
redazione