

# IMPRESORA BAMBULAB H2C CON SISTEMA VORTEK, AMS 2 PRO Y LASER DE 10W PARA IMPRESION AVANZADA, GRABADO Y CORTE LIGERO EN UN EQUIPO HIBRIDO PROFESIONAL

## BAMBULAB-H2CL-10W-COMBO



### Descripción

Impresora BambuLab H2C con sistema Vortek, AMS 2 Pro y láser de 10W para impresión avanzada, grabado y corte ligero en un equipo híbrido profesional.

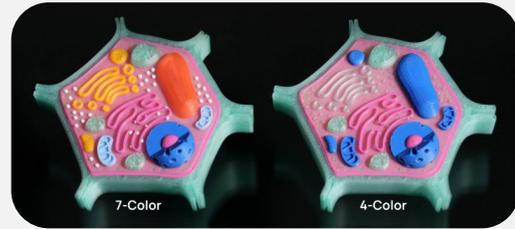
### Características del producto

- Cambio de hotend Impresión multimaterial.
- Impresión multicolor con mínimo desperdicio de purga.
- Calentamiento inductivo de boquillas rápido y preciso.
- Extrusora servo de bucle cerrado.
- Detección de errores de IA en la ruta completa del filamento.
- Boquillas de 350°C y cámara caliente activa de 65°C.
- Módulo láser y de corte opcional de 10W.
- Volumen de construcción: 330 x 320 x 325 mm<sup>3</sup>.

| Item                        | Specification   |   |
|-----------------------------|---|---|
| Printing Technology         | Fused Deposition Modeling   |   |
| Body                        | Build Volume (W*D*H)  | Single Nozzle Printing: 305*320*325 mm <sup>3</sup><br>Dual Nozzle Printing: 300*320*325 mm <sup>3</sup><br>Total Volume for Two Nozzles: 330*320*325 mm <sup>3</sup> |
|                             | Chassis   | Aluminum and Steel  |
|                             | Outer Frame   | Plastic and Glass   |
| Physical Dimensions         | Physical Dimensions   | 492*514*626 mm <sup>3</sup>   |
|                             | Net Weight  | 32.5 kg   |
| Toolhead                    | Extruder Gear   | Hardened Steel  |
|                             | Nozzle  | Hardened Steel  |
|                             | Max Nozzle Temperature  | 350 °C  |
|                             | Supported Nozzle Diameter   | 0.2 mm, 0.4 mm, 0.6 mm, 0.8 mm  |
|                             | Filament Cutter   | Built-in  |
|                             | Filament Diameter   | 1.75 mm   |
|                             | Extruder Motor  | Bambu Lab High-precision Permanent Magnet Synchronous Motor   |
| Heatbed                     | Build Plate Material  | Flexible Steel Plate  |
|                             | Included Build Plate Type   | Textured PEI Plate  |
|                             | Supported Build Plate Type  | Textured PEI plate, Engineering Plate   |
|                             | Max Heatbed Temperature   | 120 °C  |
| Speed                       | Max Speed of Toolhead   | 1000 mm/s   |
|                             | Max Acceleration of Toolhead  | 20,000 mm/s <sup>2</sup>  |
|                             | Max Flow for Hotend   | 40 mm <sup>3</sup> /s (Test parameters: 250 mm round model with a single outer wall; Bambu Lab ABS; 280 °C printing temperature)                                      |
| Chamber Temperature Control | Active Chamber Heating  | Supported   |
|                             | Max Temperature   | 65 °C   |
| Air Purification            | Pre-filter Grade  | G3  |
|                             | HEPA Filter Grade   | H12   |
|                             | Activated Carbon Filter Type  | Granulated Coconut Shell  |
|                             | VOC Filtration  | Superior  |
|                             | Particulate Matter Filtration   | Supported   |
| Cooling                     | Part Cooling Fan  | Closed Loop Control   |
|                             | Cooling Fan for Hotend  | Closed Loop Control   |
|                             | Main Control Board Fan  | Closed Loop Control   |
|                             | Chamber Exhaust Fan   | Closed Loop Control   |
|                             | Chamber Heat Circulation Fan  | Closed Loop Control   |
|                             | Auxiliary Part Cooling Fan  | Closed Loop Control   |
|                             | Toolhead Enhanced Cooling Fan   | Closed Loop Control   |
| Supported Filament Type     | PLA, PETG, TPU, PVA, BVOH, ABS, ASA, PC, PA, PET, PPS; Carbon/Glass Fiber Reinforced PLA, PETG, PA, PET, PC, ABS, ASA, PPA, PPS |   |

|                         |                                |  |
|-------------------------|--------------------------------|--|
| Sensor                  | Live View Camera               | Built-in; 1920*1080  |
|                         | Nozzle Camera                  | Built-in; 1920*1080  |
|                         | BirdsEye Camera                | Built-in; 3264*2448  |
|                         | Toolhead Camera                | Built-in; 1920*1080  |
|                         | Door Sensor                    | Supported  |
|                         | Filament Run Out Sensor        | Supported  |
|                         | Filament Tangle Sensor         | Supported  |
|                         | Filament Odometry              | Supported with AMS   |
|                         | Power Loss Recovery            | Supported  |
| Electrical Requirements | Voltage                        | 100-120 VAC / 200-240 VAC, 50/60 Hz  |
|                         | Max Power*                     | 1800 W@220 V/1250 W@110 V  |
|                         | Typical Power                  | 200 W@220 V/200 W@110 V (Single Nozzle Printing PLA)   |
| Working Temperature     | 10 °C-30 °C                    |  |
| Electronics             | Touchscreen                    | 5-inch 720*1280 Touchscreen  |
|                         | Storage                        | Built-in 8 GB EMMC and USB Port  |
|                         | Control Interface              | Touchscreen, mobile App, PC App  |
|                         | Motion Controller              | Dual-core Cortex-M4 and Single-core Cortex-M7  |
|                         | Application Processor          | Quad-core 1.5 GHz ARM A7   |
|                         | Neural Processing Unit         | 2 TOPS   |
| Software                | Slicer                         | Bambu Studio Supports third-party slicers which export standard G-code, such as Super Slicer, PrusaSlicer and Cura, but certain advanced features may not be supported.              |
|                         | Supported Operating System     | MacOS, Windows, Linux  |
| Network Control         | Ethernet                       | Not Available  |
|                         | Wireless Network               | Wi-Fi  |
|                         | Network Kill Switch            | Not Available  |
|                         | Removable Network Module       | Not Available  |
|                         | 802.1X Network Access Control  | Not Available  |
| Wi-Fi                   | Operating Frequency            | 2412 - 2472 MHz, 5150 - 5850 MHz (FCC/CE) 2400 - 2483.5 MHz, 5150 - 5850 MHz (SRRC)  |
|                         | Wi-Fi Transmitter Power (EIRP) | 2.4 GHz: < 23 dBm (FCC); < 20 dBm (CE/SRRC/MIC) 5 GHz Band1/2: < 23 dBm (FCC/CE/SRRC/MIC) 5 GHz Band3: < 30 dBm (CE); < 24 dBm (FCC) 5 GHz Band4: < 23 dBm (FCC/SRRC); < 14 dBm (CE) |
|                         | Wi-Fi Protocol                 | IEEE 802.11 a/b/g/n  |

## Aplicaciones



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