

# Bambu P1S printer

## Features:

- ✓ Enclosed with fan and carbon filter
- ✓ Filament run out sensor
- ✓ Set up in roughly 15 minutes
- ✓ 1280 X 720 camera (0.5 FPS)
- ✓ LIDAR obstruction detection?
- ✓ Based on the P1P with enclosure and improved cooling
- ✓ Power loss recovery
- ✓ Stainless steel nozzle
- ✓ Auto filament run out detection
- ✓ Wi-Fi, Bluetooth, Micro SD card

# Printing

- Acceleration: 20,000 mm<sup>2</sup>/sec
- Toolhead speed: 500 mm/sec
- 5X – 6X ender 3 speed (based on slicer estimates)
- PLA, PETG, TPU, ABS, ASA, PVA, PET, PA, PC
- Upgrade nozzle and gears to hardened steel  
Glass fiber, Carbon
- Auto detection of filament type (bambu reels)
- Auto power loss recovery

# Comparable models

- Specs from [productchart.com/3d\\_printers/](http://productchart.com/3d_printers/)

mfr	model	Price	Wi-Fi	# filaments	Enclosed	X	Y	Z
Sovol	SV07 Plus	\$249.00	Y	1	N	300	300	350
Flashforge	Adventure 5M	\$259.00	Y	1	Y	220	220	220
Anycubic	Kobra S1	\$419.99	Y	1	Y	250	250	250
Creality	Hi Combo	\$549.00	Y	4	N	260	260	300
Elegoo	Neptune 4 max	\$559.99	Y	1	N	420	420	480
Anycubic	Kobra S1	\$599.99	Y	4	Y	250	250	250
Anycubic	Kobra 3 max	\$659.99	Y	4	N	420	420	500
Bambu	P1S	\$699.00	Y	1	Y	256	256	256
Creality	K1	\$791.87	Y	1	N	220	220	250
Bambu	P1S	\$899.00 *	Y	4	Y	256	256	256
Creality	K2 Plus	\$1,169.00	Y	1	Y	350	350	350
Creality	K2 Plus	\$1,349.00	Y	4	Y	350	350	350

\* On sale \$750.00

# Accessing the P1S

- The Bambu P1S is closed source.
- Connection is through Bambu server by default
- LAN mode avoids Bambu server but you lose camera connection, status notifications and Micro SD access
- Latest firmware updates require “Authorization control” limiting 3<sup>rd</sup> party communication to the printer without Bambu authorization (currently very limited)
- Work around hacks are just now coming online.

# Tim's experience

- No connection problems with Bambu server. After print starts, no connection necessary.
- I haven't been ambitious. No customizations.
- Because the build plate only moves in Z, I have had no failed prints.
- Broken (old) filaments have been inside AMS.
- Based on slicer estimates, 5 – 6 times faster than Ender 3.
- AMS filament info not shared between 2 screens of Bambu studio. Operator error?