Part number: 2701000001

Description: Portrait 3D Printer

Technical Specifications

Technology	Fused Filament Fabrication (FFF)
Build volume	200 x 200 x 235 mm (7.9 x 7.9 x 9.3")
Structure	Steel
Print head	Dual extrusion with automatic nozzle lifting
Print core replacement	Swappable
Hotend material	1 all-metal, 1 PTFE

Nozzle diameter	0.4 mm
Nozzle temperature	Up to 295 ⁰C
Build plate	Heated mirror attached by magnets, BuildTak
Build plate temperature	Up to 105ºC
Calibration and leveling	Automatic
Filament diameter	1.75 mm
Layer resolution	0.4mm nozzle: 20 - 250 micron
XYZ accuracy	12.5, 12.5, 2.5 micron
XY motion	Linear bearings, 16mm
Z motion	Precision ballscrew, 12mm
Air filtration	HEPA filter with activated carbon
Filament runout sensor	Yes
Display	5" 800x480 color touchscreen
Print controller	32 bit
Processing unit	Raspberry Pi 3
UI languages	English, Spanish, French, Italian
Connectivity	Wi-Fi, LAN, USB drive, Cloud Printer Management
Monitoring	Live camera
Light signals	indicating printer status
Physical dimensions	455 x 435 x 565 mm
Dimensions with spool holders	455 x 530 x 565 mm
Net weight	24,4 kg
Shipping weight	35,1 kg
Shipping box dimensions	560 x 530 x 730 mm
Power requirements Input	110/230V - Auto Switching, 50-60Hz 320W max.
Power requirements Output	14 V DC
Operating ambient temperature	10 - 30 ºC
Supplied software	Cloud management software powered by 3DPrinterOS
Supported OS	MacOS, Windows, Linux
File types	3DS, 3MF, AMF, OBJ, and STL
Supported materials	KODAK 3D Printing Filaments ABS, Flex 98, HIPS, Nylon 6, Nylon 12, PLA+, PLA Tough, PETG, and PVA
Accessories	2 filament cases, toolkit