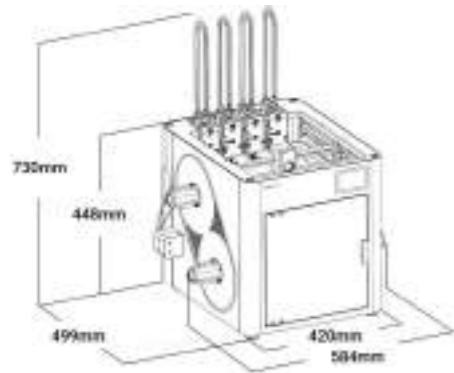


Specifications

General



Dimensions	584mm × 499mm × 730mm
Weight	18.2kg

Printing Properties

Printing Technology	Fused Deposition Modeling	Max Toolhead Speed	500mm/s
Build Volume	270mm × 270mm × 270mm	Max Acceleration Speed	20,000mm/s ²

Toolhead

Toolheads Included	4	Nozzle Diameter	0.4mm
Max Flow for Hot End	32mm ³ /s*	Filament Diameter	1.75mm
Nozzle	Stainless Steel (more options in testing)	Part Cooling	Main & Auxiliary Part Cooling Fans
Max Nozzle Temperature	300°C		

Heated Bed

Build Plate	Flexible Steel Sheet with PEI Surface	Max Heated Bed Temperature	100°C
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Supported Filament Type

Basic Material Compatibility	PLA, PETG, TPU, PVA	With Optional Top Cover	PLA, PETG, TPU, PVA, PET, ABS, ASA, PA, PC
With Top Cover & Hardened Steel Nozzle	PLA, PETG, TPU, PVA, PET, ABS, ASA, PA, PC, Carbon-fiber-reinforced Polymer, Glass-fiber-reinforced Polymer (more options in testing)		

Electronics

Touchscreen	3.5-inch 320 × 480 Touchscreen	Storage	26 GB eMMC
Data Transmission Methods	Wi-Fi (IEEE802.11b/g/n Standards, 2.4GHz), USB Flash Drive	Live View Camera	2 Megapixel Built-in Chamber Camera
Max Input Power	1150 W (220–240 V~), 400 W (100–120 V~)	Max Input Current	6 A (220–240 V~), 4 A (100–120 V~)

Auto-calibration

Heated Bed Leveling	Mesh Bed Leveling	Automatic Flow Compensation	Pressure Advance Calibration
Active Vibration Control	Accelerometer & Input Shaping Calibration	Automatic Toolhead Offset Calibration	Coordinate Measuring Calibration

Automatic Filament System

Auto-feed	Supported	Air Printing Detection	Supported
Backup Mode	Supported	Filament Run Out Detection	Supported
Filament RFID Recognition	Supported	Power Loss Recovery	Supported

Anomaly Detection

Toolhead Swap Error Detection	Supported	Software	
Build Plate Presence Detection	Supported	Supported Slicer	Snapmaker Orca, Orcaslicer
Build Plate Obstruction Detection	Supported	APP	Snapmaker APP

Firmware

Firmware	Klipper
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* This data was obtained using Snapmaker ABS filament, under a printing temperature of 280°C.

snapmaker

NEW

Snapmaker U1 3D Printer

Make Something Colorful

4 Toolheads	5s Toolhead Swap	Multi-Material Printing with Minimal Purge	500mm/s Speed	AI-Powered Print Monitoring	APP Remote Control	Smart Calibration	Auto Filament System
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5X More Speed. **5X** Less Waste.

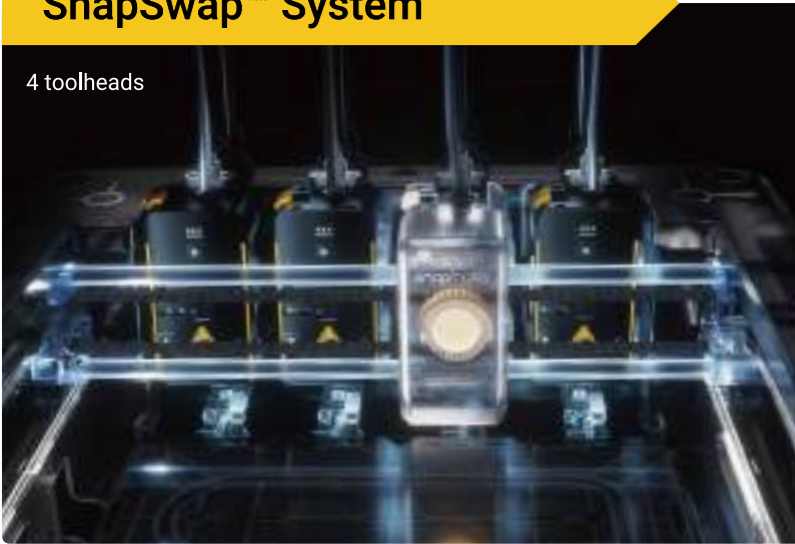
The Most-Funded 3D Printing Project
on Kickstarter



<https://www.snapmaker.com/> <https://shop.snapmaker.com>

SnapSwap™ System

4 toolheads



5s toolhead swap



Reliable toolhead locking with steel-ball kinematic couplings, tested over 1,000,000 swaps with zero failures

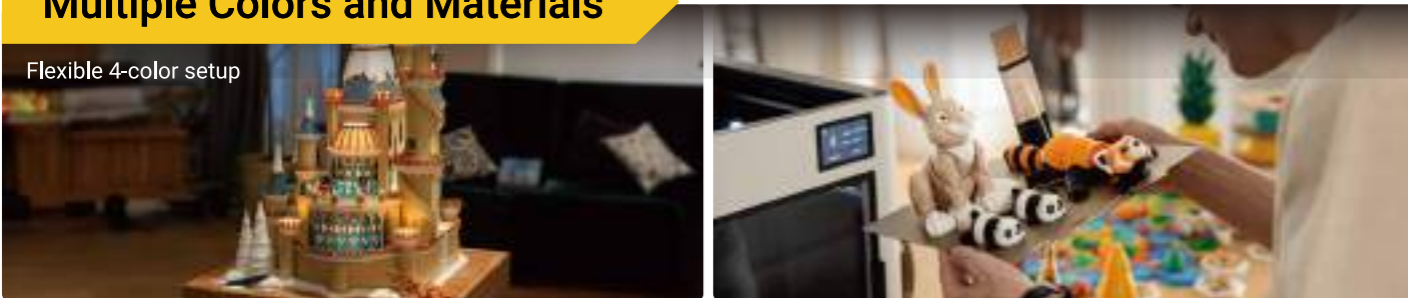


5X more speed and 5X less waste with minimal purge

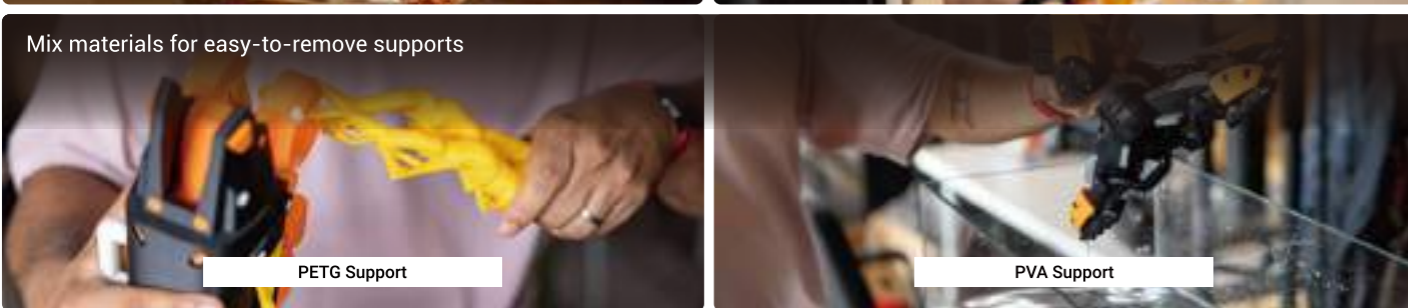


Multiple Colors and Materials

Flexible 4-color setup



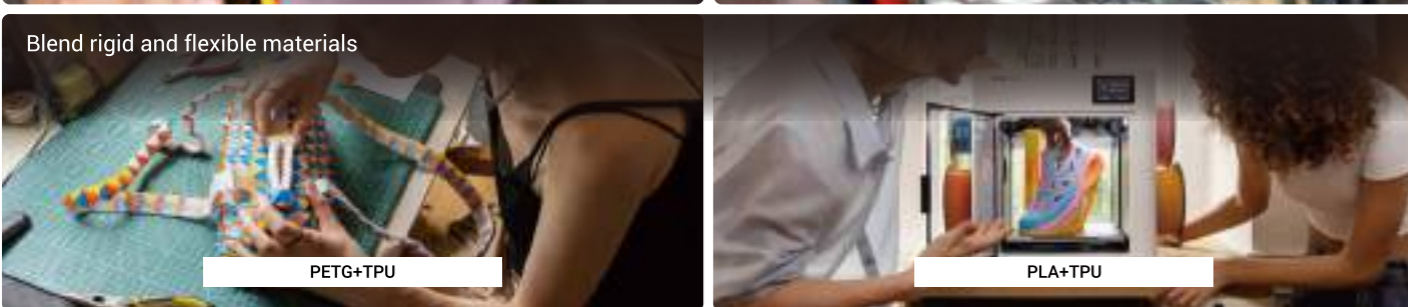
Mix materials for easy-to-remove supports



PETG Support

PVA Support

Blend rigid and flexible materials



PETG+TPU

PLA+TPU

Smart Calibration Algorithm

Toolhead offset calibration for sharp prints without vertical shifts



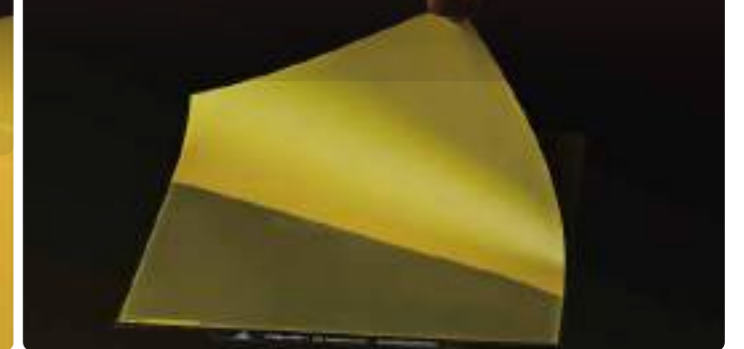
Flow rate compensation with Pressure Advance for less bloating and thinning



Vibration compensation with Input Shaping, reducing ghosting or ripples

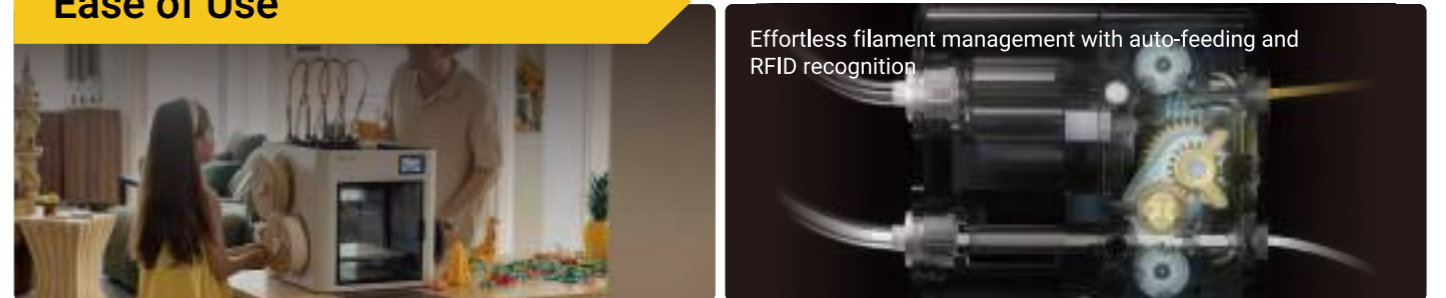


Mesh bed leveling for flat, grippy first layers

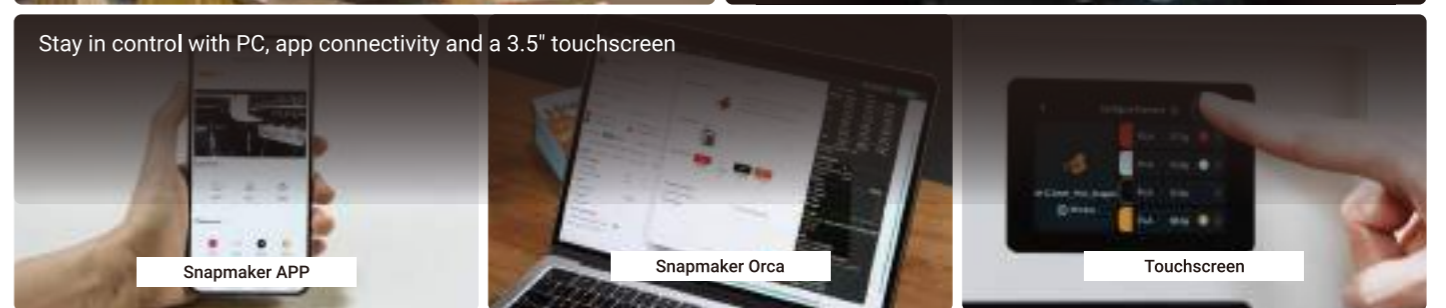


Ease of Use

Effortless filament management with auto-feeding and RFID recognition



Stay in control with PC, app connectivity and a 3.5" touchscreen

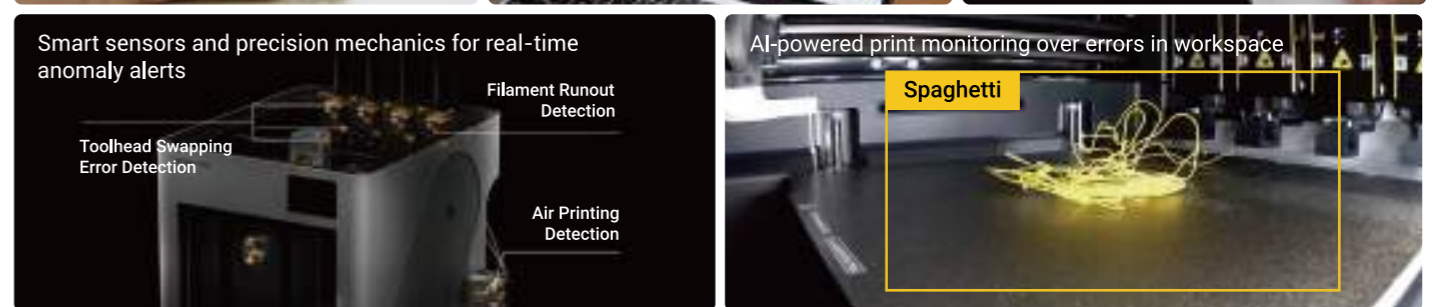


Snapmaker APP

Snapmaker Orca

Touchscreen

Smart sensors and precision mechanics for real-time anomaly alerts



Toolhead Swapping Error Detection

Filament Runout Detection

Air Printing Detection

AI-powered print monitoring over errors in workspace

Spaghetti