PALETTE 3

Welcome ...

Start Print   Controls   Settings

Files   + Add Printer

PALETTE 3
Product Sheet

Simple, multi-material 3D Printing

PALETTE 3
Key Features

Up to 4 different filaments in a single print job

Improved Splice Core for even faster splicing than Palette 2

Easily connects to most widely available 3D printers[1]

- ✓ **Control remotely** to start and monitor prints from anywhere
- ✓ **Automated** runout detection and spool changeover
- ✓ Built-in **Canvas Hub** for improved connectivity
- ✓ Cloud based print management with **Canvas** software integration
- ✓ New UI and touch screen for unparalleled ease of use
- ✓ Durable PC -ABS and construction
- ✓ Splices **25% faster** than Palette 2

1. Consult Mosaic Manufacturing's website for a full list of compatable 3D Printers. List subject to change.
2. Subject to availability, some restrictions may apply.

PALETTE 3
Specification Sheet

Recommended for	Hobbyists
MSRP (USD)	Please request Quote
Number of Inputs	4
Filament Compatibility	1.75 ±0.03mm PLA, PETG, TPU, ABS, PVA, HIPS Shore hardness of 95A or harder
Splicing Technology	3rd generation Splice Core (P3-SC)
Splicing Speed	Up to 25% faster than Palette 2
Filament Runout Detection	Yes
Built-in Canvas Hub Functionality	Yes
Software Compatibility	Canvas
Browser Compatibility	Chrome, Firefox, Safari
Internet Connection	Required for Canvas usage and firmware updates
Control Interface	4" Touch Screen Canvas (via Web browser)
Data Interface	Canvas (via WiFi)
IO Ports	USB-A (2x) USB-B (1x)
WiFi	Yes (2.4Ghz, 802. 11 b/g/n)[1]
Controllers	ARM Cortex M4 Processor & Compute Module: -Quad-core 1.4GHz ARM Cortex-A53 Processor -1GB LPDDR2 SDRAM -8GB eMMC Flash Memory
Power	12V / 4A
Product Dimensions (cm)	30.9 × 23.5 × 7.4 cm
Product Weight (kg)	3.1 kg
Warranty	12 months or 25,000 splices
UPC Code	850226000830

PALETTE 3
Comparison Sheet

	Palette 2S	Palette 3	Palette 3 Pro
Number of Materials	4	4	8
Connectivity	Canvas Hub Required	Canvas Hub Integrated	
Warranty	1 Year	1 Year	2 Year
Ethernet	No	No	Yes
Structural Material	PC-ABS, White	Glass-filled Nylon, White	Glass-filled Nylon Black, Aluminum Splice Core
Interface	3.2" Color Screen	4" Color Screen	4" Color Screen
Splice Tubes Included	3	3	5
Spare Parts	Basic	Basic	Basic + Extra
Drive Technology	Independent Drive Motor	Mosaic Rotary Selector System	
Filament Buffer	Open-filament Loop	Constrained Filament Loop	
Speed (cut-cut time)$_2$	43 seconds	32 seconds	29 seconds
Filament Diameter	1.75mm		
Compatibility	Popular open printers such as Creality, Prusa, Artillery, Craftbot, Makerbot, Flashforge, Ultimaker$_3$ and Lulzbot$_3$		
Compatible Materials	Up to 250°C	Up to 250°C	Up to 250°C

1. Although WiFi is featured, offline modes are also available for both Palette 3 and Palette 3 Pro models
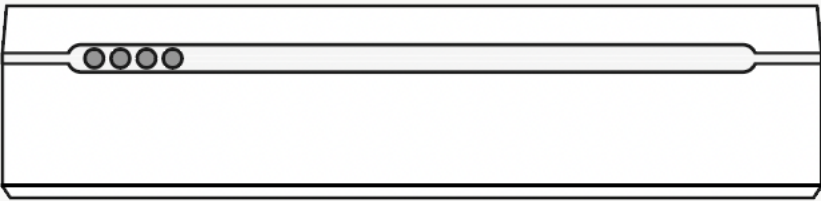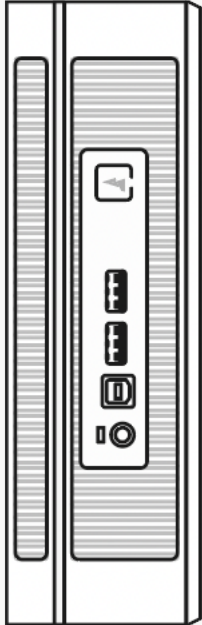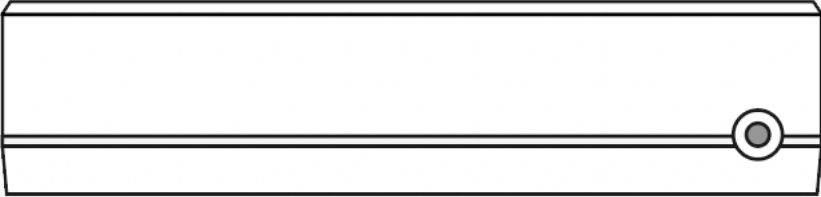2. Cut-cut time is determined using 8cm segments and (0,0,0) splice tuning with Mosaic PLA. Larger segments and different splice tuning will affect cut-cut times.
3. Adaptor required for select 2.85mm printer models
4. Palette X is not available as a stand alone unit and is only found within our Element, Element HT and Array 3D printers

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Product Diagrams