



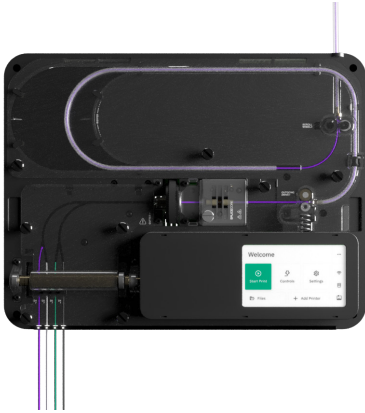
PALETTE 3

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

- ✓ Starting at **\$599 USD**. Shipping begins **July 2021²**
- ✓ **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 compatible 3D Printers. List subject to change.

². Subject to availability, some restrictions may apply.

PALETTE 3

Specification Sheet

| | |
|-----------------------------------|--|
| Recommended for | Hobbyists |
| MSRP (USD) | \$599 USD |
| 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 |

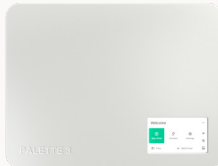
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Comparison Sheet

Palette 2S



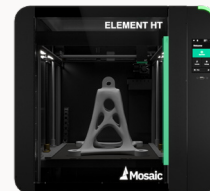
Palette 3



Palette 3 Pro



Palette X



| | | | | |
|---|---|-------------------------------|-------------------------------------|--|
| Number of Materials | 4 | 4 | 8 | 8 |
| Connectivity | Canvas Hub Required | Canvas Hub Integrated | | |
| Warranty | 1 Year | 1 Year | 2 Year | 2 Year |
| Ethernet | No | No | Yes | N/A |
| Structural Material | PC-ABS, White | PC-ABS, White | PC-ABS, Black, Aluminum Splice Core | All Aluminum and Hardened Steel, Black |
| Interface | 3.2" Color Screen | 4" Color Screen | 4" Color Screen | Varies |
| Splice Tubes Included | 3 | 3 | 5 | N/A |
| Spare Parts | Basic | Basic | Basic + Extra | N/A |
| Drive Technology | Independent Drive Motor | Mosaic Rotary Selector System | | |
| Filament Buffer | Open-filament Loop | Constrained Filament Loop | | N/A |
| Speed (cut-cut time)₂ | 43 seconds | 32 seconds | 29 seconds | 15 seconds |
| Filament Diameter | 1.75mm | | | |
| Compatability | Popular open printers such as Creality, Prusa, Artillery, Craftbot, Makerbot, Flashforge, Ultimaker ₃ and Lulzbot ₃ | | | Mosaic Element and Array 3D Printers only ₄ |
| Compatible Materials | Up to 250°C | Up to 250°C | Up to 250°C | Up to 500°C |

1. Although WiFi is featured, offline modes are also available for both Palette 3 and Palette 3 Pro models

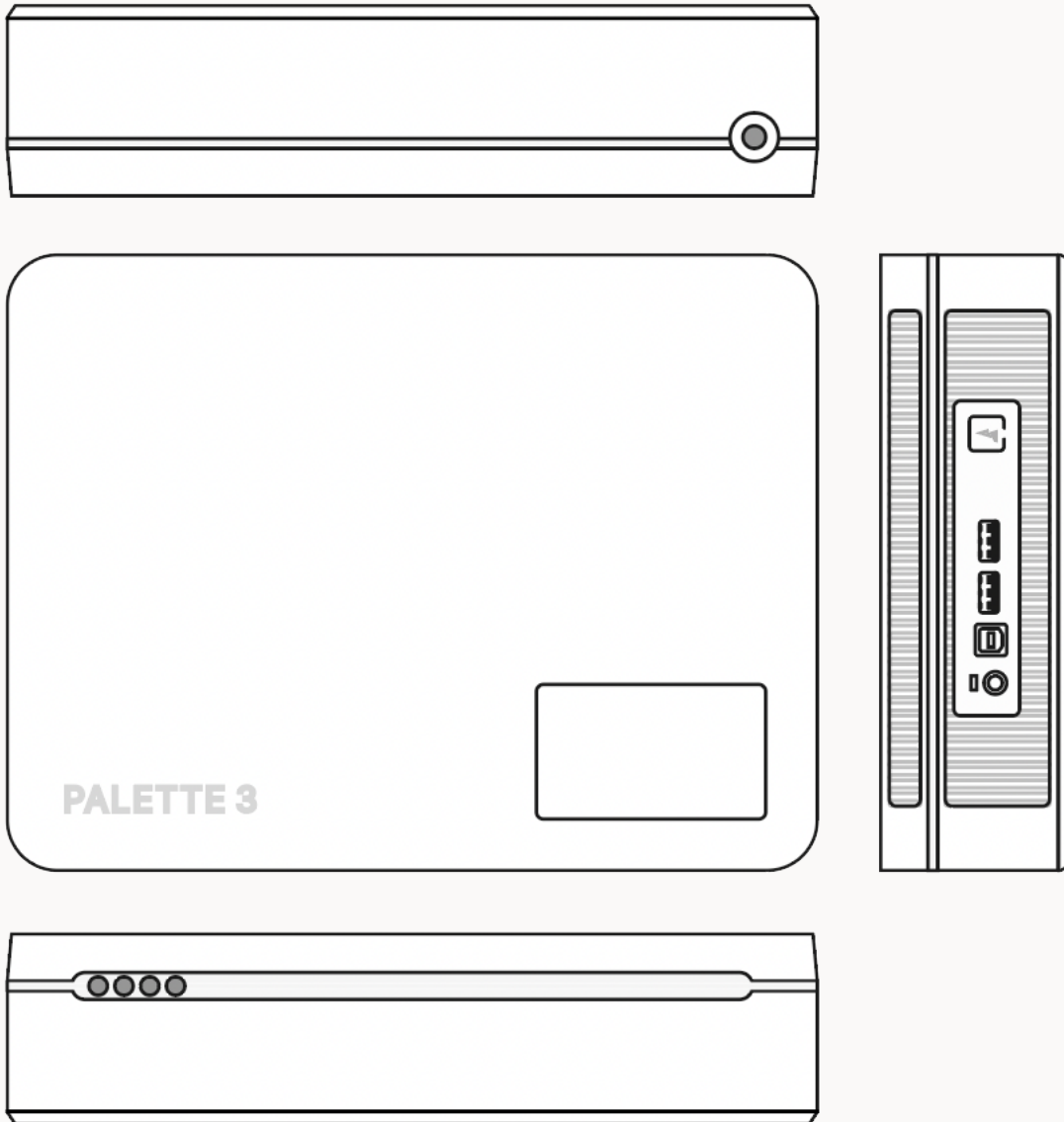
2. Cut-cut time is determined using 8cm segments and (0,0,0) splice tuning with Mosaic PLA. Larger segments and different splice tuning will affect cut-cut times.

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

PALETTE 3

Product Diagrams



Note: All diagrams and technical specifications are approximate and subject to change.



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