

# PALETTE 3

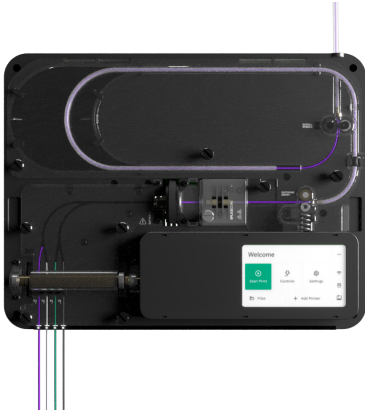
## Product Sheet

---

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,<sup>1</sup>

- ✓ Starting at **\$599 USD**. Shipping begins **July 2021<sub>2</sub>**
- ✓ **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

|  |  |
|--|--|
| <b>Recommended for</b>                   | Hobbyists  |
| <b>MSRP (USD)</b>                        | \$599 USD  |
| <b>Number of Inputs</b>                  | 4  |
| <b>Filament Compatibility</b>            | 1.75 ±0.03mm<br>PLA, PETG, TPU, ABS, PVA, HIPS<br>Shore hardness of 95A or harder  |
| <b>Splicing Technology</b>               | 3rd generation Splice Core (P3-SC)   |
| <b>Splicing Speed</b>                    | Up to 25% faster than Palette 2  |
| <b>Filament Runout Detection</b>         | Yes  |
| <b>Built-in Canvas Hub Functionality</b> | Yes  |
| <b>Software Compatibility</b>            | Canvas   |
| <b>Browser Compatibility</b>             | Chrome, Firefox, Safari  |
| <b>Internet Connection</b>               | Required for Canvas usage and firmware updates   |
| <b>Control Interface</b>                 | 4" Touch Screen<br>Canvas (via Web browser)  |
| <b>Data Interface</b>                    | Canvas (via WiFi)  |
| <b>IO Ports</b>                          | USB-A (2x)<br>USB-B (1x)   |
| <b>WiFi</b>                              | Yes (2.4Ghz, 802. 11 b/g/n) <sub>1</sub>   |
| <b>Controllers</b>                       | ARM Cortex M4 Processor & Computer M4 Processor & Compute Module:<br>-Quad-core 1.4GHz ARM Cortex-A53 Processor<br>-1GB LPDDR2 SDRAM<br>-8GB eMMC Flash Memory |
| <b>Power</b>                             | 12V / 4A   |
| <b>Product Dimensions (cm)</b>           | 30.9 × 23.5 × 7.4 cm   |
| <b>Product Weight (kg)</b>               | 3.1 kg   |
| <b>Warranty</b>                          | 12 months or 25,000 splices  |
| <b>UPC Code</b>                          | 850226000830   |

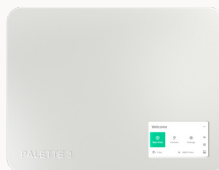
# PALETTE 3

## Comparison Sheet

Palette 2S



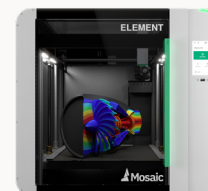
Palette 3



Palette 3 Pro



Palette X



|   |   |                               |                                     |  |
|---|---|-------------------------------|-------------------------------------|--|
| <b>Number of Materials</b>              | 4   | 4                             | 8                                   | 8  |
| <b>Connectivity</b>                     | Canvas Hub Required   | Canvas Hub Integrated         |                                     |  |
| <b>Warranty</b>                         | 1 Year  | 1 Year                        | 2 Year                              | 2 Year   |
| <b>Ethernet</b>                         | No  | No                            | Yes                                 | N/A  |
| <b>Structural Material</b>              | PC-ABS, White   | PC-ABS, White                 | PC-ABS, Black, Aluminum Splice Core | All Aluminum and Hardened Steel, Black                 |
| <b>Interface</b>                        | 3.2" Color Screen   | 4" Color Screen               | 4" Color Screen                     | Varies   |
| <b>Splice Tubes Included</b>            | 3   | 3                             | 5                                   | N/A  |
| <b>Spare Parts</b>                      | Basic   | Basic                         | Basic + Extra                       | N/A  |
| <b>Drive Technology</b>                 | Independent Drive Motor   | Mosaic Rotary Selector System |                                     |  |
| <b>Filament Buffer</b>                  | Open-filament Loop  | Constrained Filament Loop     |                                     | N/A  |
| <b>Speed (cut-cut time)<sub>2</sub></b> | 42 seconds  | 32 seconds                    | 28 seconds                          | 15 seconds   |
| <b>Filament Diameter</b>                | 1.75mm  |                               |                                     |  |
| <b>Compatibility</b>                    | Popular open printers such as Creality, Prusa, Artillery, Craftbot, Makerbot, Flashforge, Ultimaker <sub>3</sub> and Lulzbot <sub>3</sub> |                               |                                     | Mosaic Element and Array 3D Printers only <sub>4</sub> |
| <b>Compatible Materials</b>             | 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

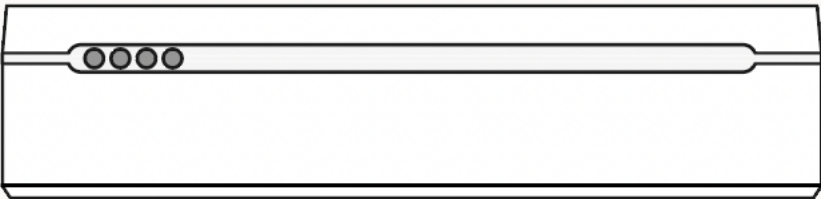
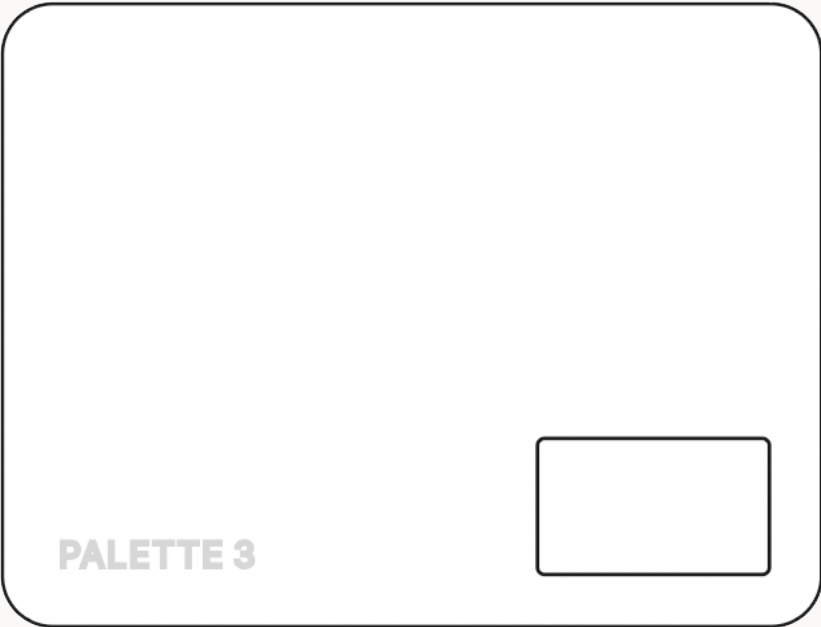
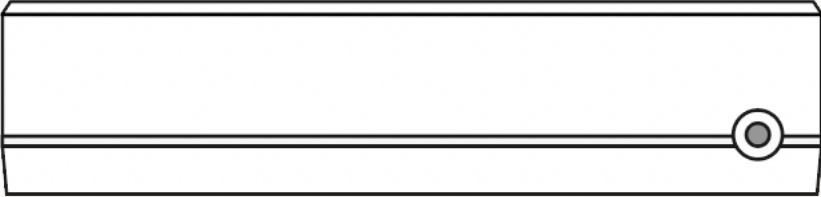
2. Cut-cut time is determined using 8cm segments, larger segments will take longer times.

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.



**Mosaic Manufacturing Ltd.**  
480 University Ave, Unit 802  
Toronto, ON M5G 1V2  
Canada

[Sales@mosaicmanufacturing.com](mailto:Sales@mosaicmanufacturing.com)

© 2021 All Rights Reserved.