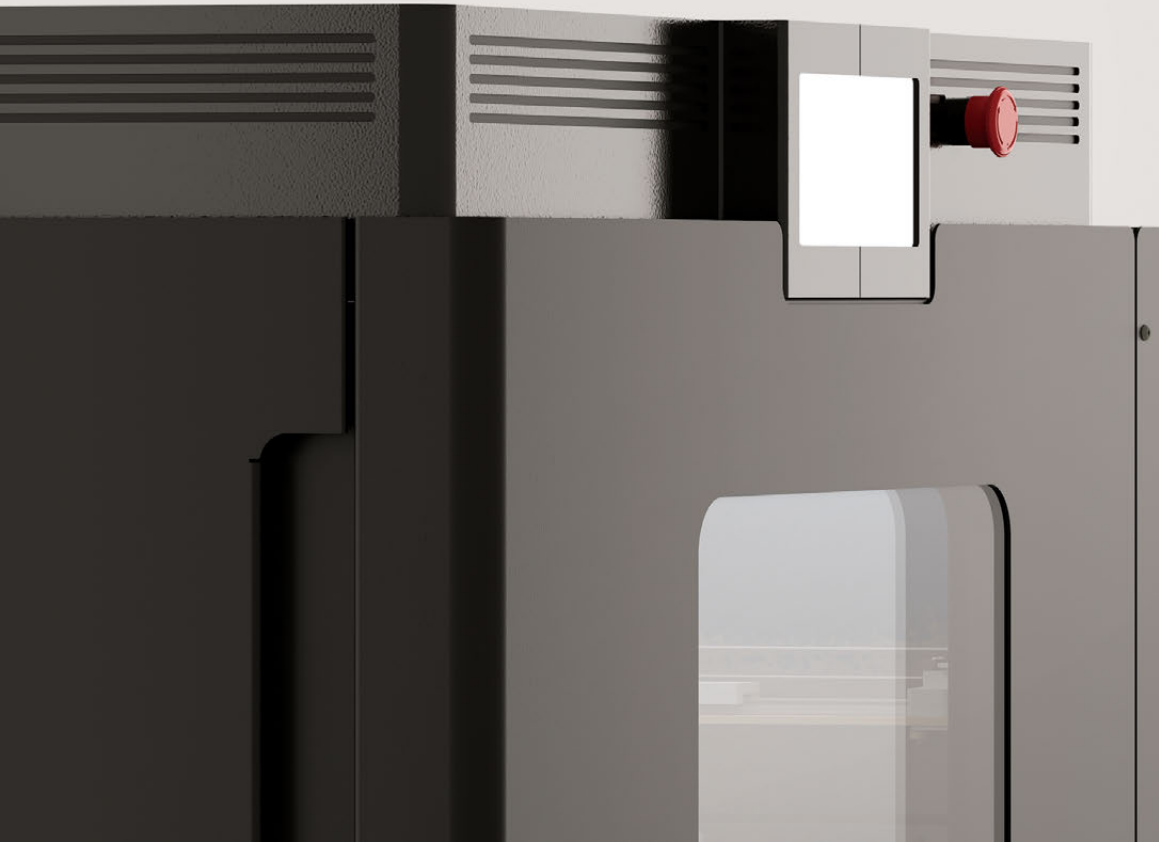


**aon3D**  
AON-M2

High-Temperature  
Industrial 3D Printer



### **Advanced engineering grade polymers.**

The AON-M2 was designed from the ground up to print PEEK, Ultem™, and other high performance, high temperature thermoplastics - including carbon fiber filled variants of each.

### **Open materials system.**

You're free to print almost any commercially available thermoplastic currently available on the market without any additional license fees or restrictions. Our materials engineers have also developed print settings and best practices for our preferred materials and vendors / brands.

### **Highest chamber temperature in its class.**

When printing with high temperature thermoplastics, controlling the rate of cooling and maintaining a high, even chamber temperature is crucial to avoiding warped prints or layer delamination. At 120°C, the AON-M2 has the highest chamber temperature in its class by a wide margin.

### **Impressive build volume.**

The AON-M2 has an impressive 18" x 18" x 25" build envelope to work within, allowing you to print bigger, or run batch jobs of multiple parts at once.

### **Liquid cooled hot-ends**

A closed liquid cooling loop to each hot-end gives precise control over the melt-zone, and prevents tangling and buckling.

### **Automatic print surface calibration.**

Adaptive mesh leveling allows you to use any build surface, and have perfectly calibrated prints without any manual intervention.

### **Dual independent toolheads.**

Two independent toolheads allow you to design parts using multiple materials including soluble or break-away supports, run the machine in duplication mode to get a batch job done twice as fast, or quickly switch between two different nozzle sizes.

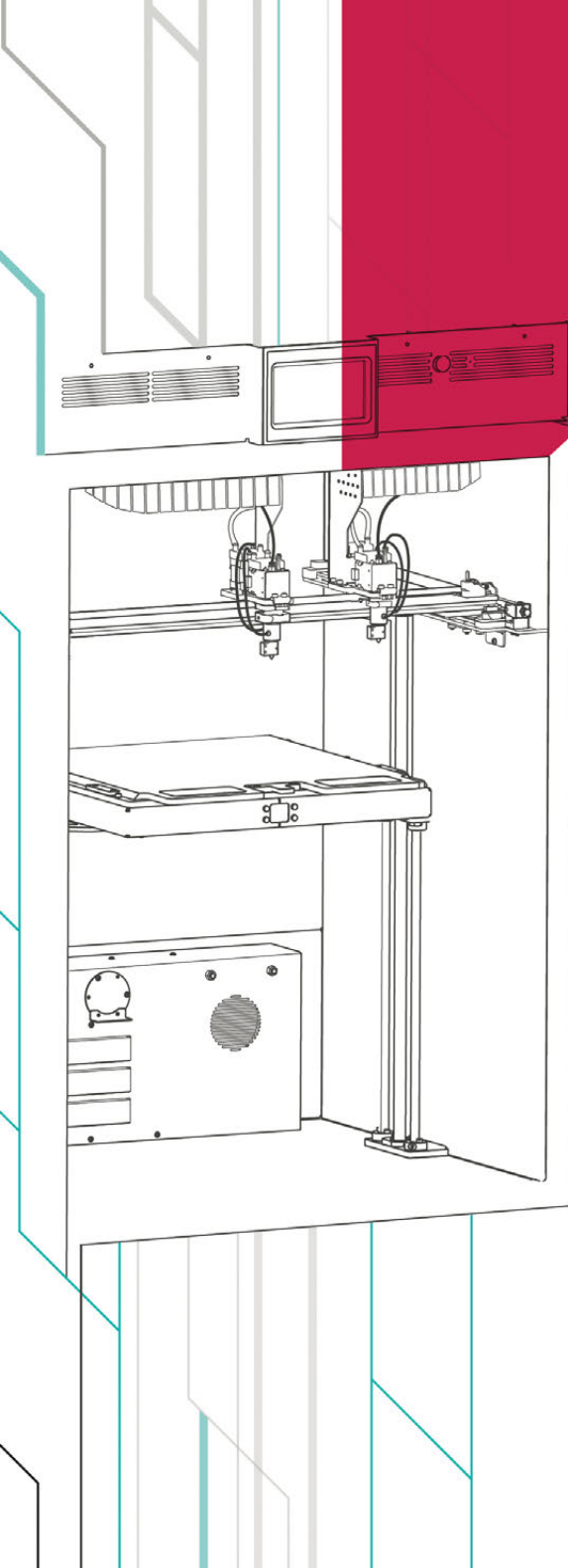
### **First class support.**

Tap into our thousands of hours of collective experience 3D printing engineering grade polymers. Ask us about our service and support plans.

### **Frictionless remote access.**

Manage your print queue and control the machine from any computer or tablet on the same network. No software installation required.

**WHY AON-M2**



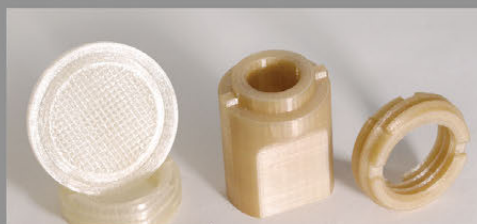


# TecSol3D

## ABOUT aon3D

AON3D was founded in 2015 by a team of materials engineers who were frustrated with the giant gap between desktop consumer 3D printers, and industrial ones which cost hundreds of thousands of dollars. They recognized the need for a more accessible, high temperature, large volume 3D printer capable of handling advanced engineering plastics - one they could afford to use.

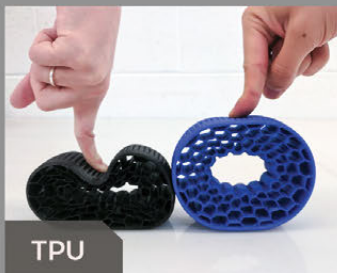
The AON-M2 is our 3rd generation machine. Designed and manufactured in Montreal, Quebec, Canada - our printers are fully NAFTA compliant. AON3D is venture capital backed and the first 3D printer manufacturer to be accepted into the prestigious Y Combinator accelerator program.



PSU + PPSU



CARBON FIBER PEEK



TPU



ULTEM™



ABS + HIPS SUPPORT



PEEK

## Printing

Technology	Fused Filament Fabrication (FFF)
Build Volume	454 x 454 x 640 mm, 18 x 18 x 25 in
Max Speed	500 mm/s
Z Layer Height	≥ 0.05 mm to 0.5 mm
Max. Temperatures	470°C+
Hot End	200°C+
Heated Bed	120°C+
Build Chamber	
Materials	PEEK, PEI (ULTEM®), PPSU, PSU, PPS, Nylon, PC, TPU, TPE, PETs, HIPS, PVA, ASA, ABS, etc. Carbon or other fiber filled variants of the above. Various soluble and breakaway support materials

## Software & Connectivity

Slicer	Simplify3D License with two floating seats included
Control Interface	LCD control screen. WiFi enabled. Ethernet. USB

## Physical

Build Plate	ALCA 5 precision aluminum. Hot-swappable
Toolheads	Dual, fully independent
Nozzle Sizes (mm)	Hardened Steel: 0.25, 0.3, 0.4, 0.6 (default), 0.8, 1.0, 1.2
Filament Size (mm)	1.75
Resolution (theoretical)	XY: 0.025 mm      Z: 0.001 mm

## Electrical

Supply Voltage	208V-240 V, 20 A, 50/60 Hz, Single Phase
Outlet	L6-20

**Tecnologías Y Soluciones  
Tridimensionales SA de CV**

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