

# MACROMAKEiT

Maximum build volume additive manufacturing  
Precise - Economical - Efficient



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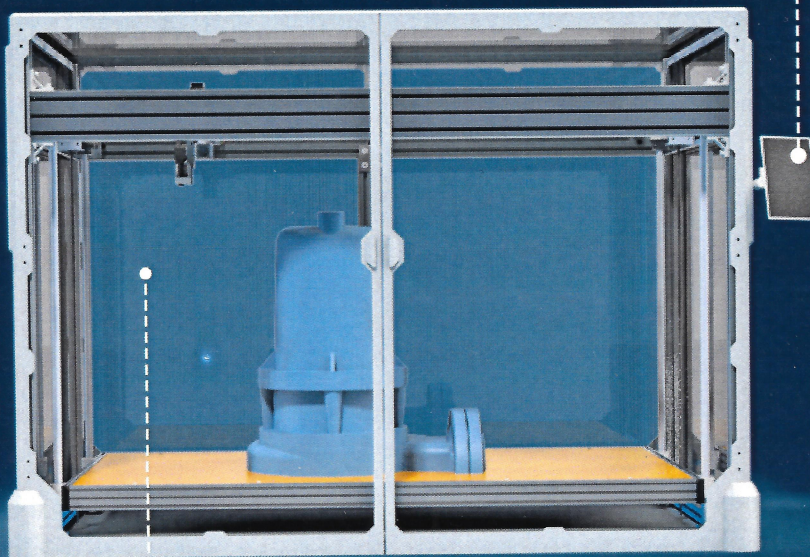
- **Space Efficient**

Compact architecture maximizes usable space, 80% of its footprint available as printable envelope. Rolls easily through standard-sized US doorway.



- **Ergonomic and User Friendly**

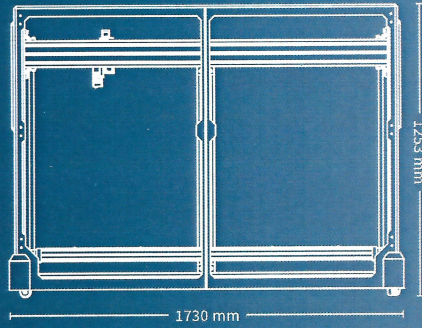
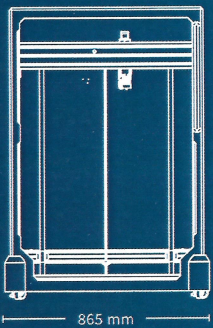
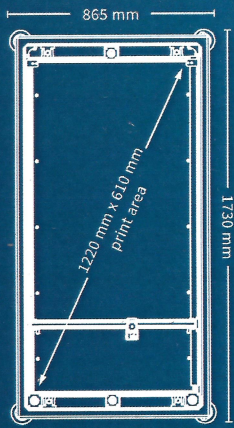
Touchscreen interface is simple and ergonomic for all users, with adjustable height and angle. Complete mouse and keyboard terminal option available.



- **Cavernous Build Volume**

At 2 x 4.5 x 2.6 feet, MacroMakeiT's build volume is the biggest in its pricerange. Long 6 foot dimension allows printing of large parts not possible on 'cubic' proportion machines.





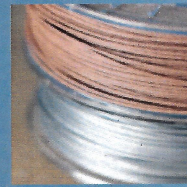
## Large Volume

Eliminate post-print assembly, glueing, and manual work by printing large parts in one piece



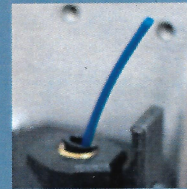
## Auto Leveling

Dual-action mechanical and digital leveling system for precise prints every time.



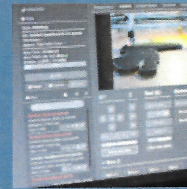
## Material Options

Open filament source uses low-cost material supply, compatible with most common desktop 3D printing materials



## Runout Detection

Sensors detect and auto-pause when filament is low, saving your print, time, and money



## Realtime Monitoring

Local monitoring via touchscreen, WiFi and LAN remote control and monitoring options available



## Accuracy

Save time with accurate fitment of parts, even at large scale

Specifications	MacroMakeit
Outer Dimension	865x1730x1253 / 2.8x5.7x4.1 ft
Build Envelope	610 x 1400 x 800mm / 2 x 4.6 x 2.6 ft
Layer Resolution	0.1 - 0.8mm *
Nozzle Diameter	0.8 - 1.5mm
Print Speed	Up to 80 mm/s **
Bed Temperature	Up to 95 C
Extruder Temperature	Up to 275 C
Enclosure Temperature	Up to 70 C
Feed Stock	1.75 or 3mm filament, open
Materials	PLA, PETG, TPU , and similar
Power Supply	15A 120V
Operating System	OctoPi, Raspbian, or Windows 10 IoT

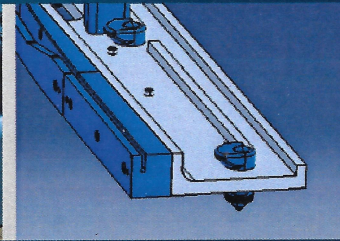
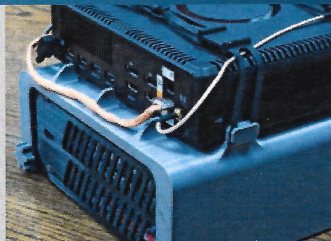
\* Layer resolution is dependent on chosen nozzle diameter, not all resolutions available for all nozzle sizes

\*\* Maximum print speed is dependent on chosen nozzle diameter and layer height



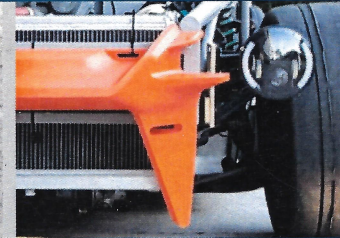
## Aerospace

Tooling jigs and alignment mechanisms  
Prototyping and design  
Custom mountings for electrical/instrumentation



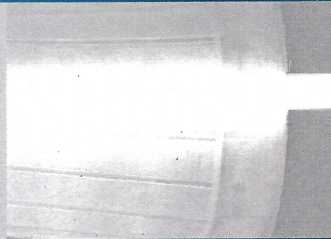
## Automotive

Single step from digital design to full-scale  
Mold-making for composite production  
Direct production of custom trim & interior components



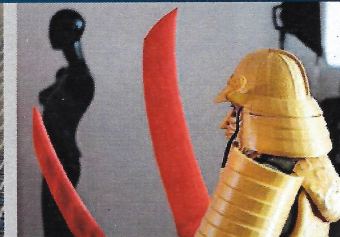
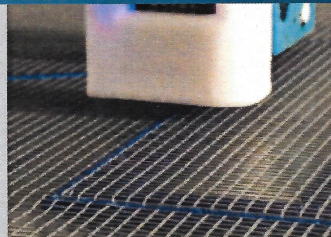
## Signage, Lighting & Design

Eye-catching indoor/outdoor signage  
Custom lighting installation mounts, diffusers  
Direct production of furniture & architectural fixtures



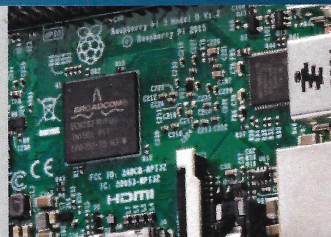
## Fashion & Entertainment

Embed 3D prints into fabric for incredible fashion  
Full scale prop-making and costuming  
Flexible printing materials for wearable 3D prints



## Industry 4.0

Raspbian, OctoPi, and Windows 10 IoT compatible  
Easily scales multiple units for production facilities  
Remote monitoring and material usage tracking available



# MAKEIT

MAKEIT is reinventing the way design and manufacturing teams produce polymer-based parts – from concept through mass production. We provide innovative 3D printing technology solutions in a broad range of platforms from desktop to large format machines. Our technology solutions enable teams to develop cost-effective and innovative options that impact companies of today and beyond.

For more information go to [www.makeit-3d.com](http://www.makeit-3d.com)

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