

MoldJet Technology

Key Advantages

- ▶ Uniform Repeatable Manufacturing
- ▶ Any material at an industrial scale
- ▶ High Green Part Strength
- ▶ 30 minutes material changeover
- ▶ Complex Design with Internal features, hollow and sealed applications
- ▶ No support removal
- ▶ Global production network

Tritone Dominant

System Specifications



Number of trays:
6, simultaneous and independent



Each build tray dimension:
400 x 240 x 120 mm (L x W x H)



Throughput:
Up to 1200 cc/hour



Total build volume:
70,000 cc



Nominal layer thickness:
Adjustable 25 - 150 μ m



Machine footprint:
3200 x 3500 x 2200 mm (L x W x H)



Tritone Dim

System Specifications



Number of trays:
4, simultaneous and independent



Each build tray dimension:
220 x 120 x 90 mm (L x W x H)



Throughput:
Up to 600 cc/hour



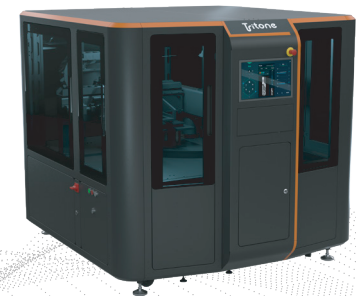
Total build volume:
10,000 cc



Nominal layer thickness:
Adjustable 25 - 150 μ m



Machine footprint:
2100 x 1965 x 1935 mm (L x W x H)





















Technologies Comparison

	Legacy AM Technologies		Tritone
	Powder Bed Fusion (Laser / EBeam)	Powder Bed Binder Jet	MoldJet
Accuracy & Repeatability	●	●	●
Throughput	●	●	●
Exposure to Powders	●	●	●
Material Variety	●	●	●
Parts Size	●	●	●
Post Processes	●	●	●
Labor Intensity	●	●	●

Developed for real-world manufacturing demands and end-use applications.

- ▶ **High Repeatability:** Every part is produced with the exact precision and quality—whether it's the first, the hundredth, or the thousandth
- ▶ **High Throughput:** Industrial speed, developed for mass production
- ▶ **Any material at an industrial scale:** Ready for any material, each part matches the strength, durability, and performance of industry-standard materials

Materials

Family	Type	Applications examples
Stainless Steel	316L	   
	17-4PH	  
	15-5PH	
	420	
Tool Steel	H13	 
	M2	
Low Alloy Steel	4340	 
	4140	
Super Alloys	Inconel 718	 
Titanium	6-4	  
Copper Alloys	Pure Copper	 
Ceramic	Alumina	 

* Tritone evaluates new materials on an ongoing basis. Please inquire if your material of interest is not listed.



The Industrial Solution for Metal & Ceramic Manufacturing



Industrial Throughput



Industry Standard Material Properties



High Repeatability



SCAN FOR MORE