

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 µm
	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 µm
	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.

Tritone
Industrial Additive Manufacturing

The Industrial Solution
for Metal & Ceramic
Manufacturing



Industrial
Throughput



Industry Standard
Material Properties



High
Repeatability



SCAN FOR MORE