

# 3D CERAMIC PRINTING

— OPTIONS AT YOUR DISPOSAL —

**KEY**  
 BJT = Binder Jetting Technology  
 CM = Contact Manufacturer  
 DLP = Digital Light Processing  
 FGF = Fused Granular Fabrication  
 LCM = Lithography-Based Ceramic Manufacturing  
 LDM = Liquid Deposition Modeling  
 LMS = Laser Induced Slipcasting  
 mm = millimeter  
 μm = Micrometer  
 NPJ = NanoParticle Jetting  
 PDM = Paste Deposition Modeling  
 SDM = Slurry Deposition Modeling  
 SLA = Stereolithography  
 \*Unless Noted Otherwise

IPM#	Company Name/Website	Ceramic Printer	Printing Process	Build Volume (Inches)	Min. Layer Thickness (mm)*	COMPATIBLE CERAMIC MATERIALS								Pricing (\$ U.S.)		
						Alumina	Aluminum Nitride	Corundum	Hydroxyapatite	Potters Clay/ Stoneware	Silica-Based	Silicon Carbide	Silicon Nitride		Tricalcium Phosphate	Zirconia
115	3D Minerals 3d-minerals.com	Cartesian 3D Printer	SDM/PDM	19.7x19.7x19.7	CM					✓						CM
116	3Dceram.com	C101 EASY LAB	SLA	12.5x12.5x7.8	From 0.025 to 0.125	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
		C101 EASY FAB	SLA	12.5x12.5x7.8	From 0.025 to 0.125	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
		C1000 FLEXMATIC	SLA	12.5x12.5x7.8	From 0.025 to 0.125	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
117	Desktop Metal desktopmetal.com	C3600 ULTIMATE	SLA	12.5x12.5x7.8	From 0.025 to 0.125	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
		InnoventX	BJT	6.3x2.5x2.5	65μm	✓	✓					✓				CM
		X25Pro	BJT	15.75x9.84x9.84	65μm	✓	✓					✓				CM
118	Formlabs formlabs.com	X160Pro	BJT	31.5x19.7x15.8	65μm	✓	✓					✓				CM
		Formlabs Form 3+	SLA	5.7x5.7x7.3	25 to 300 Microns	✓										
119	Lithoz lithoz.com	CeraFab System S65/Medical	LCM	4x2.5x12.6	10 to 100μm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
		CeraFab System S25	LCM	2.5x1.6x12.6	10 to 100μm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
		CeraFab System S230	LCM	7.6x4.7x12.6	25 to 200μm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
		CeraFab Lab L30	LCM	2.9x1.7x6.7	25 to 100μm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
		CeraFab Multi 2M50	LCM	2.9x1.7x6.7	10 to 100μm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
120	Pollen AM Inc. pollen.am	CeraMax Vario V900	LIS	Up to 9.8x9.8x11.4	200 to 1,000μm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
		New Pam Series MC	FGF	11.81	0.045	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\$80,000
121	Tethon 3D tethon3d.com	Bison 1000 DLP Printer	DLP	4.3x2.4x5.4	25, 50, 100μm	✓	✓									CM
122	Vormrij 3D vormrij.nl	LUTUM 5XL	LDM	15.7x18.1x31.4	0.6				✓							CM
		LUTUM 5	LDM	15.7x18.1x19.6	0.6				✓							CM
		LUTUM 5M	LDM	9.8x9.8x15.7	0.6				✓							CM
		LUTUM 4.6	LDM	16.9x18.1x19.6	0.6				✓							CM
		LUTUM 4Mpro	LDM	9.8x9.8x15.7	0.6				✓							CM
		BRUTUM	LDM	39.3x39.3x25.6	0.6				✓							CM
123	Voxeljet voxeljet.com	VX200	BJT	5.9x11.8x7.9	CM						✓				CM	
		VX1000	BJT	39.3x23.6x19.7	CM						✓				CM	
124	WASP 3dwasp.com	Delta WASP 2040 Clay	CM	7.87x15.7	CM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
		Delta WASP 40100 LDM	LDM	15.7x39.3	CM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
125	Xjet xjet3d.com	Carmel 1400C Ceramic System	NPJ	19.7x5.5	0.01	✓									✓	CM

