

CERAMIC 3D PRINTING

ALL THE PROCESSES FIT TO PRINT

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

LIS = Laser Induced Slipcasting

µm = micrometer

mm = millimeter

NPJ = NanoParticle Jetting

PDM = Paste Deposition Modeling

SDM = Slurry Deposition Modeling

SLA = Stereolithography

*Unless Noted Otherwise

COMPATIBLE CERAMIC MATERIALS

#INFO	Company Name/ Website	Ceramic Printer	Printing Process	Build Volume (Inches)	Min. Layer Thickness (mm)*	Alumina	Aluminum Nitride	Corundum	Hydroxyapatite	Polter Clay/Stoneware	Silica-Based	Silicon Carbide	Silicon Nitride	Tricalcium Phosphate	Zirconia	Pricing (\$ U.S.)
104	3D Minerals 3d-minerals.com	Cartesian 3D Printer	SDM/PDM	19.7x19.7x19.7	CM					✓						CM
105	3DCERAM 3dceram.com	C101 EASY LAB	SLA	4x4x6	From 0.025 to 0.125	✓	✓	✓	✓		✓	✓	✓	✓		CM
		C101 EASY FAB	SLA	4x4x6	From 0.025 to 0.125	✓	✓	✓	✓		✓	✓	✓	✓		CM
		C1000 Flexmatic	SLA	12.6x12.6x7.9	From 0.025 to 0.125	✓	✓	✓	✓		✓	✓	✓	✓		CM
		C3600 ULTIMATE	SLA	23.6x23.6x11.8	From 0.025 to 0.125	✓	✓	✓	✓		✓	✓	✓	✓		CM
106	Desktop Metal desktopmetal.com	InnoventX	BJT	6.3x2.5x2.5	65µm	✓	✓					✓				CM
		X2SPro	BJT	15.75x9.84x9.84	65µm	✓	✓					✓				CM
		X160Pro	BJT	31.5x19.7x15.8	65µm	✓	✓					✓				CM
107	Formlabs formlabs.com	Form 3+	SLA	5.7x5.7x7.3	25 to 300µm	✓										Starting at \$2,499
		Form 4	SLA	7.9x4.9x8.3	25 to 300µm	✓										Starting at \$4,499
108	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 Lab L30	LCM	2.9x1.7x6.7	25 to 100µm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
		CeraFab Multi 2M50	LCM	2.9x1.7x6.7	10 to 100µm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
		CeraFab S320	LCM	9.7x5.1x6.7	25 to 200µm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
		CeraMax Vario V900	LIS	Up to 9.8x9.8x11.4	200 to 1,000µm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
109	Pollen AM Inc. pollen.am	Parn o2 MC	FGF	11.81	0.045	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\$80,000
110	Prodways Machines prodways.com	CERAM PRO 365	DLP	10.3x12.9x13.7	31µm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
		CERAM PRO 385	DLP	10.3x12.9x13.7	42µm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
		CERAM PRO 385+	DLP	10.3x12.9x13.7	42µm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
		CERAM PRO 405	DLP	10.3x12.9x13.7	42µm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
		CERAM PRO 405+	DLP	10.3x12.9x13.7	420m	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
111	Tethon 3D tethon3d.com	Bison 1000 DLP Printer	DLP	4.3x2.4x5.4	25, 50, 100µm	✓	✓									CM
		Gazelle DLP Printer	DLP	320x290x500 mm	25 to 150µm	✓		✓								CM
112	VormVrij 3D vormvrij.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
113	Voxeljet voxeljet.com	VX200	BJT	5.9x11.8x7.9	CM						✓					CM
		VX1000	BJT	39.3x23.6x19.7	CM						✓					CM
114	WASP 3dwasp.com	Delta WASP 2040 Clay	CM	7.87x15.7	CM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
		Delta WASP 40100 LDM	LDM	15.7x39.3	CM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	CM
115	XJet 3D xjet3d.com	Carmel 1400C Ceramic System	NPJ	19.7x5.5	0.01	✓								✓		CM
		Carmel 5000X Metal System	NPJ	19.72x11	0.01	✓								✓		CM



dps INFO #7

