

3DC 3D Printing Technologies Chart

Technology	Acronym	Desktop	Production Parts	Applications	Max Build Volume	Minimum Feature Size
Fused Deposition Modeling	FDM	Yes	Yes	-Ideal for Conceptual models, Engineering models, and Functional testing prototypes	36" x 24" x 36"	.025"
Multi/Poly Jet	MJP/PJP	No	No	-Excellent for High Res applications with complex geometries	39.3" x 31.4" x 19.6"	.025"
Stereolithography	SLA	Yes	Yes	-Excellent for fit and form testing. -Ideal for trade show-quality parts via painting and texturing	25" X 25" X 21"	.01"
Selective Laser Sintering	SLS	Yes	Yes	-Ideal for durable, functional parts with a variety of applications -Capable of producing snap fits and living hinges -Heat and chemically resistant	27.6" x 15" x 22.9"	.03"
Direct Metal Laser Sintering	DMLS	Yes	Yes	-Highly complex internal structures -Prototypes in fully dense alloys -Fine geometries -Parts where machining is too difficult or impossible	15.8" x 15.8" x 15.8"	.035"
Color Jet	CJP	No	no	-Excellent for demonstration models with full color printing. -Stiff with good impact strength.	20" x 15" x 9"	.04"

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