

## FDM 3D (Rapid Prototyping) Specifications

System Specifications	
<b>Build Envelope (XYZ)</b>	16 x 14 x 16 in. (406 x 355 x 406 mm)
<b>Effective Markets</b>	High performance thermoplastics for specialized applications in medical, energy, aerospace, research, and defense.
<b>Accuracy</b>	Parts are produced within an accuracy of $\pm .127$ mm ( $\pm .005$ in.) or $\pm .0015$ mm/mm ( $\pm .0015$ in/in), whichever is greater). Z part accuracy includes an additional tolerance of -0.000/+slice height. Note: Accuracy is geometry dependent. Achievable accuracy specification derived from statistical data at 95%-dimensional yield.

Material Options						
Material	Layer Thickness				Support Structure	Available Colors
	0.330 mm (0.013 in.)	0.254 mm (0.010 in.)	0.178 mm (0.007 in.)	0.127 mm (0.005 in.)		
ABS-ESD7™	○	●	●	○	Soluble	■ Black ■ Ivory □ White
ABS-M30™	●	●	○	●	Soluble	■ Black ■ Red ■ Blue ■ Dark Gray
ABS-M30j™	●	●	●	●	Soluble	■ Ivory
Antero™ 800NA*	○	●	○	○	Breakaway	■ Natural
Antero 840CN03*	○	●	○	○	Breakaway	■ Natural
ASA	●	●	●	●	Soluble	■ Black ■ Dark Gray ■ Dark Blue ■ Green ■ Light Gray ■ Yellow □ White ■ Orange ■ Ivory ■ Red
FDM Nylon 12™	●	●	●	○	Soluble	■ Black
FDM Nylon 12CF™*	○	●	○	○	Soluble	■ Black
PC	●	●	●	●	Breakaway, Soluble	□ White
PC-ABS	●	●	●	●	Soluble	■ Black
PC-ISO™	●	●	●	○	Breakaway	■ Translucent Natural □ White
ULTEM™ 9085 resin*	●	●	○	○	Breakaway	■ Tan ■ Black
ULTEM™ 1010 resin*	●	●	○	○	Breakaway	■ Natural
ST-130*	●	○	○	○	Breakaway	■ Tan