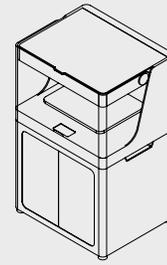
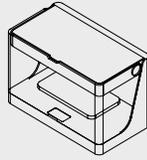


# Composite Printer Comparison



## Desktop Series

Reliable entry level machines  
Accurate parts with good surface finish  
Prints with standard materials

## Industrial Series

Industrial grade machines with large build envelope  
Superior accuracy, resolution, and speed  
Full industrial material portfolio

	Onyx One	Onyx Pro	Mark Two	X3	X5	X7
<b>Process</b>						
Fused Filament Fabrication	x	x	x	x	x	x
Continuous Fiber Reinforcement		x	x		x	x
<b>Base Materials</b>						
Onyx (Micro carbon fiber filled nylon)	x	x	x	x	x	x
Onyx ESD				x	x	x
Onyx FR				x	x	x
Nylon			x			x
<b>Continuous Fibers</b>						
Continuous Fiberglass		x	x		x	x
Continuous Carbon Fiber			x			x
Continuous HSHF Fiberglass			x			x
Continuous Kevlar®			x			x
<b>Advanced Features</b>						
Out-of-Plastic Detection	x	x	x	x	x	x
Out-of-Fiber Detection					x	x
Fiber Jam Detection		x	x		x	x
Adaptive Bed Leveling				x	x	x
Turbo Print (up to 4x faster)						x
In-Process Laser Inspection*						x
<b>Hardware</b>						
Build Volume	320 x 132 x 154 mm (12.6 x 5.2 x 6.0 in)			330 x 270 x 200 mm (13.0 x 10.6 x 7.9 in) (2.7x larger)		
Bed Flatness	Flat to within 160 µm; Kinematic coupling			Flat to within 80 µm; Kinematic coupling		
Best Z Resolution	100 µm			50 µm		
Supports	Same material breakaway supports					
Infill	Closed-cell infill; Multiple geometries available					
<b>Specifications</b>						
Storage	Cloud included; Offline available					
Security	Two-factor authentication; Org admin access; Single sign-on					
Power	100-240 VAC, 150W (2A peak)					
Weight	16 kg (35 lb)			48 kg (106 lb)		
Footprint	584 x 330 x 355 mm (23 x 13 x 14 in)			584 x 483 x 914 mm (23 x 19 x 36 in)		