

Stratasys J55™ Prime

The Stratasys J55™ Prime 3D printer combines the quality of Stratasys PolyJet technology with a compact, office-friendly design and elevate its offering by adding multiple sensory and functional capabilities.

The five material channel, full color printer features a rotating build platform with fixed print head for outstanding surface finish and print quality. Engineered for the office or design studio environment, it features a small footprint and ProAero™ filtration technology for odor free, silent and low power operation. The J55 Prime extends the J55 printing capabilities to include not only full visual modeling but also tactile, textual, and multi-sense prototyping.

The J55 Prime offers a streamlined design-to-print workflow powered by GrabCAD Print™. This allows users to import their designs using native CAD files or 3MF file formats. GrabCAD Print also enables Pantone® validated color matching. Remote monitoring lets you easily manage your print jobs from outside the office. Additionally, water jet removable support makes post processing simple and enables the creation of complex parts without compromising accuracy or detail.

Product Specifications

Model Materials	<input type="checkbox"/> VeroCyanV™ <input type="checkbox"/> VeroMagentaV™ <input type="checkbox"/> VeroYellowV™ <input type="checkbox"/> VeroPureWhite™	<input type="checkbox"/> VeroBlackPlus™ <input type="checkbox"/> VeroClear™ <input type="checkbox"/> DraftGrey™ <input type="checkbox"/> VeroUltra™ WhiteS	<input type="checkbox"/> VeroUltra™ BlackS <input type="checkbox"/> VeroUltra™ ClearS <input type="checkbox"/> Elastico™ Clear <input type="checkbox"/> Elastico™ Black	<input type="checkbox"/> Vero™ ContactClear <input type="checkbox"/> Digital ABS Plus
	Support Materials	SUP710™ / Water Soluble Support – WSS™150		
Build Size/Printing Area	Round Print Tray with up to 1,174cm ² (182 in ²) Print Height: 190mm*** (7.48 in.)***			
Layer Thickness	Horizontal build layers down to 18 microns (0.0007 in.)			
Network Connectivity	LAN - TCP/IP			
System Size and Weight	651 x 661 x 1511mm (25.63 x 26.02 x 59.49 in.); 228 kg (503 lbs.)			
Operating Conditions	Temperature 18 – 25 °C (64 – 77 °F); relative humidity 30-70% (non-condensing)			
Power Requirements	100-240VAC, 50-60 HZ, 10A, 1 phase			
Regulatory Compliance	CE, FCC, EAC, cTUVus, CB, RCM			
Operator Attendance	Limited attendance for job start and job stop required			
Software	GrabCAD Print			
Build Modes	High Quality Speed (HQS) – 18.75µm			
Accuracy	Deviation from STL dimensions, for 1 Sigma (67%) of models printed with rigid materials, based on size: under 100 mm – ±150µ; above 100 mm – ±0.15% of part length.**			
	Deviation from STL dimensions, for 2 Sigma (95%) of models printed with rigid materials, based on size: under 100 mm – ±180µ; above 100 mm – ±0.2% of part length.**			

** Measured when ambient temperature is 23 °C and relative humidity is 50%.

*** The maximal printable height for the J55™ Prime is 187 mm (7.36 in.).

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