

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

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|--------------------------|--|
| Model Materials | <ul style="list-style-type: none"> ■ VeroCyanV™ ■ VeroMagentaV™ ■ VeroYellowV™ □ VeroPureWhite™ ■ VeroBlackPlus™ □ VeroClear™ ■ DraftGrey™ □ VeroUltra™ WhiteS ■ VeroUltra™ BlackS □ VeroUltra™ ClearS □ Elastico™ Clear ■ Elastico™ Black □ Vero™ ContactClear ■ Digital ABS Plus |
| Support Materials | SUP710™ |
| 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 |
| 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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