



stratasys



PRODUCT SPEC SHEET
POLYJET™

J5 Digital Anatomy® 3D Printer

Anatomical Realism Within Your Reach

Introducing the J5 Digital Anatomy 3D Printer, designed with a small footprint and high performance, featuring unique materials and software to create biomechanically accurate anatomical models—now within reach.

This multi-color, multi-material platform constructs models that replicate the look, feel, and responsiveness of human anatomy. It enables the creation of realistic, cost-effective educational

resources, enhances product development, and expedites time to market, all while ensuring safe operation with biocompatible materials and certified platforms.

Ideal for point-of-care and academic medical centers seeking to enhance surgical planning and training, as well as for medical device companies aiming to accelerate innovation.

Product Specifications

Model Materials	Biocompatible Materials: □ Biocompatible Rigid Transparent (MED610™ or MED610-DSG™) □ Biocompatible, flexible (MED625FLX™) ■ Biocompatible Opaque (MED615RGD™ IV) ■ Biocompatible Digital ABS Plus™ (MED531S™ and MED515S™) Rubber like: □ Elastico®Clear (FLX934) ■ Elastico®Black (FLX984)	Rigid Colors: □ ToughONE™ WhiteS (TFF881) ■ Vero®CyanV (RGD845) ■ Vero®MagentaV (RGD852) ■ Vero®YellowV (RGD838) □ VeroUltra™ClearS (RGD821) ■ VeroUltra™Black (RGD864) □ VeroUltra™White (RGD824) ■ Vero®BlackPlus (RGD875) □ DraftWhite™ (MED858) ■ Digital ABS Plus™	Digital Anatomy™ Materials: ■ TissueMatrix® (MED310) ■ GelMatrix® (FLG111) ■ BoneMatrix® (RGD526) ■ RadioMatrix™ (MED410)
Support Materials	• SUP710S™ (WaterJet removable) • WSS™150 (Water soluble, not compatible with the Digital Anatomy materials)		
Supported Sterilization Processes	• Steam (4 minutes at 132 °C) • Gamma (25–50 kGy) • EtO (specifications available upon request)		
Digital Model Materials	• Composite materials including over 500,000 colors • Hundreds of presets available to mimic different anatomies with Digital Anatomy materials		
Build Tray	• Printing area: 1,174 cm² • Max Part Size: Up to 140 x 200 x 190 mm (5.51 x 7.87 x 7.48 in.)		
Layer Thickness	Horizontal build layers down to 18 microns (0.0007 in.)		
Accuracy	Deviation from STL dimensions with rigid materials, based on size: under 100 mm: ±150µ; above 100 mm: ±0.15% of part length.*		
Network Connectivity	LAN – TCP/IP		
System Size and Weight	651 x 661 x 1511 mm (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	100–240 VAC, 50–60 HZ, 10A, 1 phase		
Regulatory Compliance	CE, FCC, EAC		
Software	GrabCAD® Print		
Build Modes	• High Quality Speed (HQS) Compatible with Digital Anatomy materials. • Long Print (LP) • High Speed (HS)		

* Accuracy spec doesn't include Digital Anatomy materials; true for 67% (1 sigma) models printed for future information can be found in the spec sheet.



alphacam GmbH
Erlenwiesen 16
D-73614 Schorndorf
Tel.: +49 7181 9222-0
info@alphacam.de

alphacam austria GmbH
Handelskai 92, Gate1 / 2. OG / Top A
A-1200 Wien
Tel.: +43 1 3619 600-0
info@alphacam.at

alphacam swiss GmbH
Zürcherstrasse 14
CH-8400 Winterthur
Tel.: +41 52 26207-50
info@alphacam.ch



alphacam.de
.at
.ch