J5 Digital Anatomy™ 3D Printer

SPEC SHEET
POLYJET

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) □ Biocompatible Opaque (MED615RGD™ IV) □ Biocompatible Digital ABS Plus™ (MED531 and MED515+) Rubber like: □ Elastico®Clear (FLX934) ■ Elastico®Black (FLX984) Rigid Transparent Colors: ■ VeroCyan™V (RGD845) ■ VeroMagenta™V (RGD852) ■ VeroYellow™V (RGD838) □ VeroUltra™ClearS (RGD821) ■ VeroUltra™Black (RGD864) □ VeroUltra™White (RGD824) ■ VeroBlackPlus™ (RGD875) □ DraftWhite (MED858) Digital Anatomy™ Materials: ■ TissueMatrix™ (MED410) ■ 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: 1,174cm^2 • Max Part Size: Up to 140 x 200 x 190mm (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 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 – 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.

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ISO 9001:2015 Certified