



# 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

<b>Model Materials</b>	<p>Biocompatible materials:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Biocompatible Rigid Transparent (MED610)</li> <li><input type="checkbox"/> Biocompatible Opaque (MED615RGD™ IV)</li> <li><input type="checkbox"/> Biocompatible Digital ABS Plus™ (MED531 and MED515+)</li> </ul> <p>Rubber like:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Elastico®Clear (FLX934)</li> <li><input checked="" type="checkbox"/> Elastico®Black (FLX984)</li> </ul>	<p>Rigid Transparent Colors:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> VeroCyan™V (RGD845)</li> <li><input checked="" type="checkbox"/> VeroMagenta™V (RGD852)</li> <li><input checked="" type="checkbox"/> VeroYellow™V (RGD838)</li> <li><input type="checkbox"/> VeroUltra™ClearS (RGD821)</li> <li><input checked="" type="checkbox"/> VeroUltra™Black (RGD864)</li> <li><input type="checkbox"/> VeroUltra™White (RGD824)</li> <li><input checked="" type="checkbox"/> VeroBlackPlus™ (RGD875)</li> <li><input type="checkbox"/> DraftWhite (MED858)</li> </ul>	<p>Digital Anatomy™ Materials:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> TissueMatrix™ (MED410)</li> <li><input checked="" type="checkbox"/> GelMatrix™ (FLG111)</li> <li><input checked="" type="checkbox"/> BoneMatrix™ (RGD526)</li> <li><input checked="" type="checkbox"/> RadioMatrix™ (MED410)</li> </ul>
<b>Support Materials</b>	<ul style="list-style-type: none"> <li>• SUP710S™ (WaterJet removable)</li> <li>• WSS™150 (Water soluble, not compatible with the Digital Anatomy materials)</li> </ul>		
<b>Supported Sterilization Processes</b>	<ul style="list-style-type: none"> <li>• Steam (4 minutes at 132 °C)</li> <li>• Gamma (25 – 50 kGy)</li> <li>• EtO (specifications available upon request)</li> </ul>		
<b>Digital Model Materials</b>	<ul style="list-style-type: none"> <li>• Composite materials including over 500,000 colors</li> <li>• Hundreds of presets available to mimic different anatomies with Digital Anatomy materials</li> </ul>		
<b>Build Tray</b>	<ul style="list-style-type: none"> <li>• Printing area: 1,174cm<sup>2</sup></li> <li>• Max Part Size: Up to 140 x 200 x 190mm (5.51 x 7.87 x 7.48 in.)</li> </ul>		
<b>Layer Thickness</b>	Horizontal build layers down to 18 microns (0.0007 in.)		
<b>Accuracy</b>	Deviation from STL dimensions with rigid materials, based on size: under 100 mm: ±150µ; above 100 mm: ±0.15% of part length.*		
<b>Network Connectivity</b>	LAN – TCP/IP		
<b>System Size and Weight</b>	651 x 661 x 1511mm (25.63 x 26.02 x 59.49 in.); 228 kg (503 lbs.)		
<b>Operating Conditions</b>	Temperature 18 – 25 °C (64 – 77 °F); relative humidity 30 – 70% (non-condensing)		
<b>Power Requirements</b>	100 – 240 VAC, 50 – 60 HZ, 10A, 1 phase		
<b>Regulatory Compliance</b>	CE, FCC, EAC		
<b>Software</b>	GrabCAD Print		
<b>Build Modes</b>	<ul style="list-style-type: none"> <li>• High Quality Speed (HQS) Compatible with Digital Anatomy materials.</li> <li>• Long Print (LP)</li> <li>• High Speed (HS)</li> </ul>		

\*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.

