J850 Digital Anatomy Printer

Ultra-Realistic Anatomical Simulation and Biomechanical Realism

With a Stratasys 3D printer for medical devices, print materials and software combine to create 3D medical models of human anatomy that mimic bone and tissue with realism you can see and feel. 3D printing medical devices' anatomical applications has never been more accurate.

J850 Digital Anatomy Printer and Material Specifications	
Model Materials	▪ Vero family of opaque materials including neutral shades and vibrant VeroVivid™ colors ▪ Agilus30, TangoPlus™ and TangoBlackPlus™ flexible materials ▪ VeroClear, VeroUltra™ Clear transparent materials ▪ TissueMatrix, BoneMatrix, GelMatrix ▪ Biocompatible Clear
Digital Model Materials	Unlimited number of composite materials, including: ▪ Over 500,000 colors ▪ Digital ABS Plus and Digital ABS2 Plus in ivory and green ▪ Rubber-like materials in a variety of Shore A values ▪ Ultra-soft rubber-like material with a Shore 00 value ▪ Translucent color tints ▪ User-developed digital materials with GrabCAD Voxel Print™
Support Materials	SUP705 (waterjet removable) SUP706B (soluble) GelMatrix (waterjet removable)
Build Size	490 x 390 x 200 mm (19.3 x 15.35 x 7.9 in.)
Layer Thickness	Horizontal build layers down to 14 microns (0.00055 in.)
Network Connectivity	LAN - TCP/IP
System Size and Weight	1400 x 1260 x 1100 mm (55.1 x 49.6 x 43.4 in.); 430 kg (948 lbs.)
Operating Conditions	Temperature 18 – 25 °C (64 – 77 °F); relative humidity 30 – 70% (non-condensing
Power Requirements	100 – 120 VAC, 50 – 60 Hz, 13.5 A, 1 phase 220 – 240 VAC, 50 – 60 Hz, 7 A, 1 phase
Regulatory Compliance	GrabCAD Print Digital Anatomy software. Optional add-on GrabCAD Voxel Print and/or Digital Anatomy Creator software
Accuracy	Typical deviation from STL dimensions, for models printed with rigid materials, based on size: under 100 mm: ±100µ; above100 mm: ±200µ or ± 0.06% of part length, whichever is greater. Please refer to material-specific spec sheets for accuracy estimates
Build Modes	High Quality (HQ) – 7 different materials / 14µm layers High Mix (HM) – 7 materials / 27µm High Speed (HS) – 3 materials / 27µm, x2 speed Super High Speed(SHS)- 1 material / 54 µm, x4 speed

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