

Stratasys J750 Digital Anatomy Printer



How Is the J750™ Digital Anatomy™ Printer Different?

Ultra-Realistic Anatomical Simulation and Biomechanical Realism

- Materials and software combine to replicate the real feel and responsiveness of human anatomy in a surgical setting
- Choose your anatomy in GrabCAD Print™ Digital Anatomy Software™ and easily mimic complex pathological conditions
- Utilize three distinct materials unique to this printer to create patient-specific models:
 - **TissueMatrix™** (softest material in the industry to recreate the feel of heart tissue)
 - **BoneMatrix™** (high toughness to replicate bone and connective tissue)
 - **GelMatrix™** (Gel Support for easy, unattended cleaning of blood vessels down to 1mm diameter)

Optimize Design Throughout the Product Lifecycle

- Perform design verification, validation, usability studies, competitive comparisons and failure analysis on a range of targeted pathologies

Training and Education

- Learn and develop skills prior to entering the operating room
- Educate and train on highly accurate and functional 3D printed anatomies
- Get cost-effective and customized simulations for training that couldn't be offered with mass produced models used today

Material Package	Dual material bays for hot swap
Build Size	19.3 x 15.35 x 7.9 in. (490 x 390 x 200 mm)
Speed/Slice Height Options	High Speed: up to 3 base resins, 27-micron (0.001 in.) resolution
	High Quality: up to 6 base resins, 14-micron (0.00055 in.) resolution
System Size and Weight	High Mix: up to 6 base resins, 27-micron (0.001 in.) resolution
	31400 x 1260 x 1100 mm (55.1 x 49.6 x 43.4 in.); 430 kg (948 lbs.) Material Cabinet: 670 x 1,170 x 640 mm (26.4 x 46.1 x 25.2 in.); 152 kg (335 lbs.)
Software	GrabCAD Print Digital Anatomy Software, including the optional add-on GrabCAD Voxel Print
Operating Environment	Temperature: 18 – 25 °C (64 – 77 °F); relative humidity 30-70% (non-condensing)
Power Requirements	100 – 132V/15A or 200 – 240V/7A. 50/60 Hz

Achieve up to a

70%

cost reduction

When compared to synthetic and biological models (e.g., cadavers and animals), the J750 Digital Anatomy Printer:

- Minimizes costly supply, storage and disposal requirements
- Isn't associated with any ethical concerns
- Allows you to train anywhere and anyplace
- Creates specific morphologies on demand

Common Industries

- Medical Device Companies
- Hospitals
- Academic Medical Centers
- Medical Simulation Manufacturers

User Applications

- Training Health Professionals
- Testing New Products
- Marketing and Sales Enablement

