Stratasys Medical
Modeling Solutions

If you're an academic medical center, hospital or medical device company, we've got a medical modeling solution for you. Check out our medical modeling options below to determine what printer will be the best fit for your medical applications.

	J5 MediJet™	J750 Digital Anatomy™
	The economical, compact, all-in-one medical modeling printer.	Our most advanced medical modeling printer gives you the power to create biomechanically accurate anatomical models.
Key value prop	Multi-material and multicolor capabilities allow you to create brilliantly vivid anatomical models and drilling and cutting guides* that are sterilizable and biocompatible, with a certified system — all on one platform.	If you're looking to create advanced medical models that not only look the same but also have close to the same biomechanical properties of native tissue and bone — this is the solution for you.

Certifications	• 510k cleared for clinical diagnostic use with leading segmentation vendors
	• Biocompatibility certification (documents available upon request)
	   - ISO 10993-1:2018 for limited contact to tissue and bone contact and permanent contact to intact skin
	   - ISO 18562-1:2017 for breathing gas pathways in healthcare applications
	• Sterilization methods
	   - Steam, Gamma and EtO for MED610 and MED615RGD
	   - Steam, Gamma, and EtO for Rigid Transparent family
	• ISO 13485 certified (material and hardware manufacturing sites)
		• 510k cleared for clinical diagnostic use with leading segmentation vendors
		• Biocompatibility certification (documents available upon request)
		   - ISO 10993-1:2018 for limited contact to tissue and bone contact and permanent contact to intact skin
		   - ISO 18562-1:2017 for breathing gas pathways in healthcare applications
		• Sterilization methods
		   - Steam, Gamma and EtO for MED610 and MED615RGD
		• ISO 13485 certified (material and hardware manufacturing sites)

Applications	• Pre-surgical planning models • Training and education models • Surgical guides and tooling* • Medical device development models	All models can mimic close to the same biomechanical properties as native tissue and bone enabling you to cut, suture, drill and insert devices just as you would with human anatomy. • Pre-surgical planning models • Training and education models • Medical device development models

* with approved 3rd party 510k cleared segmentation software

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Model materials	• Biocompatible rigid transparent (MED610)
	• Biocompatible Opaque (MED615RGD™ IV)
	• DraftWhite (MED837)
	• **Rubberlike:** Elastico Clear (FLX934)
	• **Rigid Transparent:** Vero Vivid family that includes VeroCyanV, VeroMagentaV, VeroYellowV, VeroBlackPlus™, VeroUltra™ClearS
		• **Rigid Opaque:** Vero family including natural and color shades and VeroUltra™ opaque materials in black and white.
		• **Rigid Transparent:** Vero Vivid family that includes VeroCyanV, VeroMagentaV, VeroYellowV
		• **Rubberlike:** TangoPlus™, TangoBlackPlus™ and Agilus30™ family
		• **Transparent:** VeroClear, VeroUltra™Clear, RGD720 and Biocompatible Clear (MED610)
		• **Digital ABS™:** Digital ABS Plus Ivory (RGD515 Plus & RGD531), Digital ABS Plus Green (RGD515 Plus & RGD535)
		• VeroFlex and VeroFlexVivid Families
		• Biocompatible Clear (MED610)
		• Biocompatible Opaque (MED615RGD™ IV)
		• **Digital Anatomy materials** to mimic human tissue and replicate anatomies
		   - **TissueMatrix™:** Ultra-soft material
		   - **GelMatrix™:** Enables support removal from blood vessel models
		   - **BoneMatrix™:** High-strength material for bone and connective tissue

Max materials	5	7
Support material	SUP710	SUP705 (waterjet removal) SUP705B (APJ) SUP706B (soluble) GelMatrix (gel-like)
Software	GrabCAD Print™	GrabCAD Print GrabCAD Print Digital Anatomy
Maximum build size	140 x 200 x 190 mm (5.51 x 7.87 x 7.48 in.) Up to 1,174 cm²	490 × 390 × 200 mm (19.3 x 15.35 x 7.9 in.)
System size	651 x 661 x 1511 mm (25.63 x 26.02 x 59.49 in.)	1,400 x 1,260 x 1,100 mm (55.1 x 49.6 x 43.3 in.) **Material Cabinet:** 670 x 1,170 x 640 mm (26.4 x 46.1 x 25.2 in.)
Layer thickness	18 microns (0.0007 in.)	Horizontal build layers range between 14 microns – 27 microns (.00055 in. – .001 in.) depending on the print mode.
Accuracy	Deviation from STL dimensions, for 1 Sigma (67%) of models printed with rigid materials, based on size: under 100 mm – ±150µ; above 100 mm – ±0.15% of part length.* Deviation from STL dimensions, for 2 Sigma (95%) of models printed with rigid materials, based on size: under 100 mm – ±180µ; above 100 mm – ±0.2% of part length.*	**Vero Materials:** 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. **Digital Anatomy Materials:** Not validated for accuracy, see technical documentation for design guidelines.

* Measured when ambient temperature is 23 °C and relative humidity is 50%.