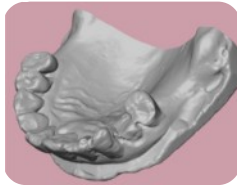




Additional Services

- Engineering services for modifying anatomical models to fit into testing assemblies and other designed features
- 3D laser scanning to capture external surface geometries



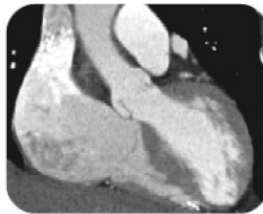
Model Accuracy

Biomodels may be fabricated on a state-of-the-art stereolithography or multijet modeling 3D printers that builds the model by successively depositing thin layers of plastic resin.

These layers are less than 0.15 mm thick, much less than the slice thickness of a typical CT scan. Thus, the models preserve the accuracy of your scan data.

Order a Biomodel

Please contact us to order a physical biomodel or BioCAD virtual model to meet your project objectives.



If you would like a model of specific anatomy, you can send us patient imaging data online or on a CD.

Biomedical Modeling Inc.

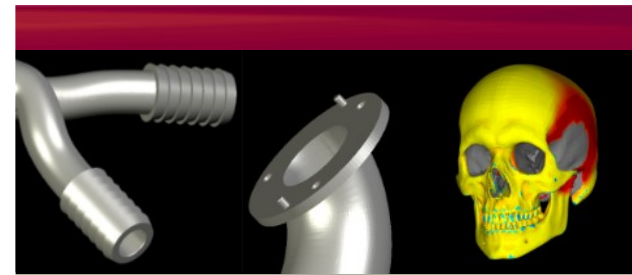
24 Denby Road
Boston, MA 02134

Tel: 617-905-2268 ♦ Fax: 617-987-0134

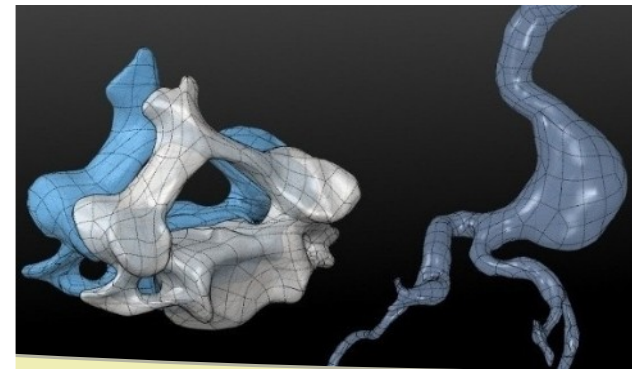
www.biomodel.com

BMi

Patient-specific Models
& Anatomical Engineering



3D Anatomical Modeling



for
Medical Device
Design
& Engineering

BMi Biomedical
Modeling, Inc.

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Virtual BioCAD models and physical biomodels have been used to replicate pathological anatomy for medical device development, simulation, and scientific research.

We are a SOLIDWORKS™ Solution Partner for our CAD-compatible modeling services.

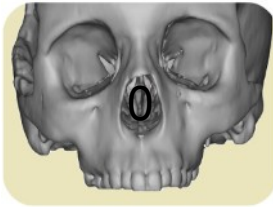
CERTIFIED
Solution
Partner

SOLIDWORKS

From 2D to 3D

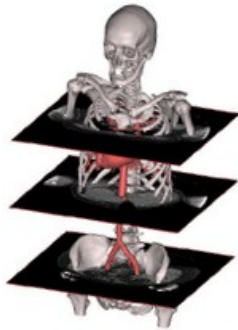
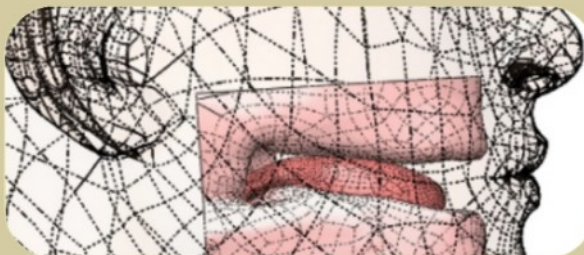
Biomedical Modeling Inc. isolates specific anatomical structures from your **CT or MRI data** (DICOM).

Interpolating between scan slices, we assemble them to produce accurate computer models of your patient anatomy.



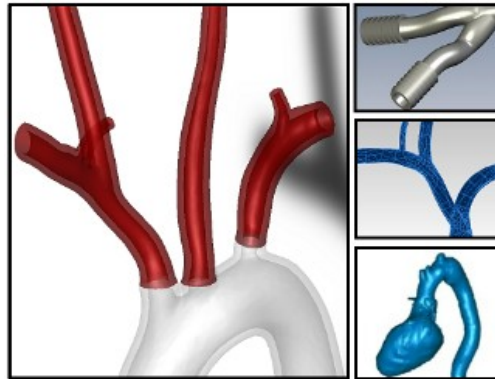
We produce **virtual BioCAD models** for design and simulation as well as 3D printed **biomodels** for bench-top testing and training.

Contact to see if your anatomy is already available in our **anatomical library**.

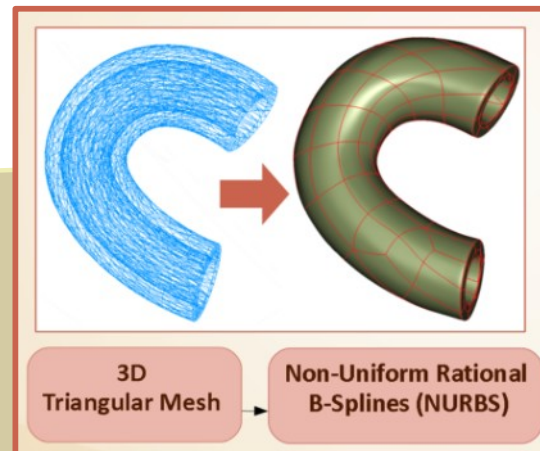


CAD Models

The virtual models we produce are available in various formats for engineering analysis, CAD design, and 3D printing.



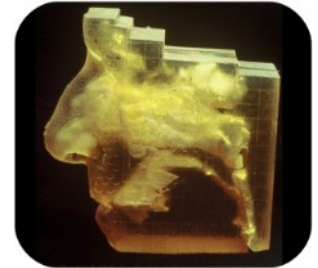
We can provide **mesh-based models** for visualization and 3D-printing, or process the data further to create models that are **compatible with CAD** engineering software.



Bench-Top Models

Our physical biomodels provide real-world interfaces for procedural simulation and testing.

For example, we have made **airway models** for flow and obstruction analysis.



We have also produced models of **patient vasculature** exhibiting various degrees of tortuosity.

Your physical models can be fabricated by various **additive manufacturing (3D printing)** technologies.

We also make molds for casting models in additional materials such as flexible silicones and polyurethanes.

