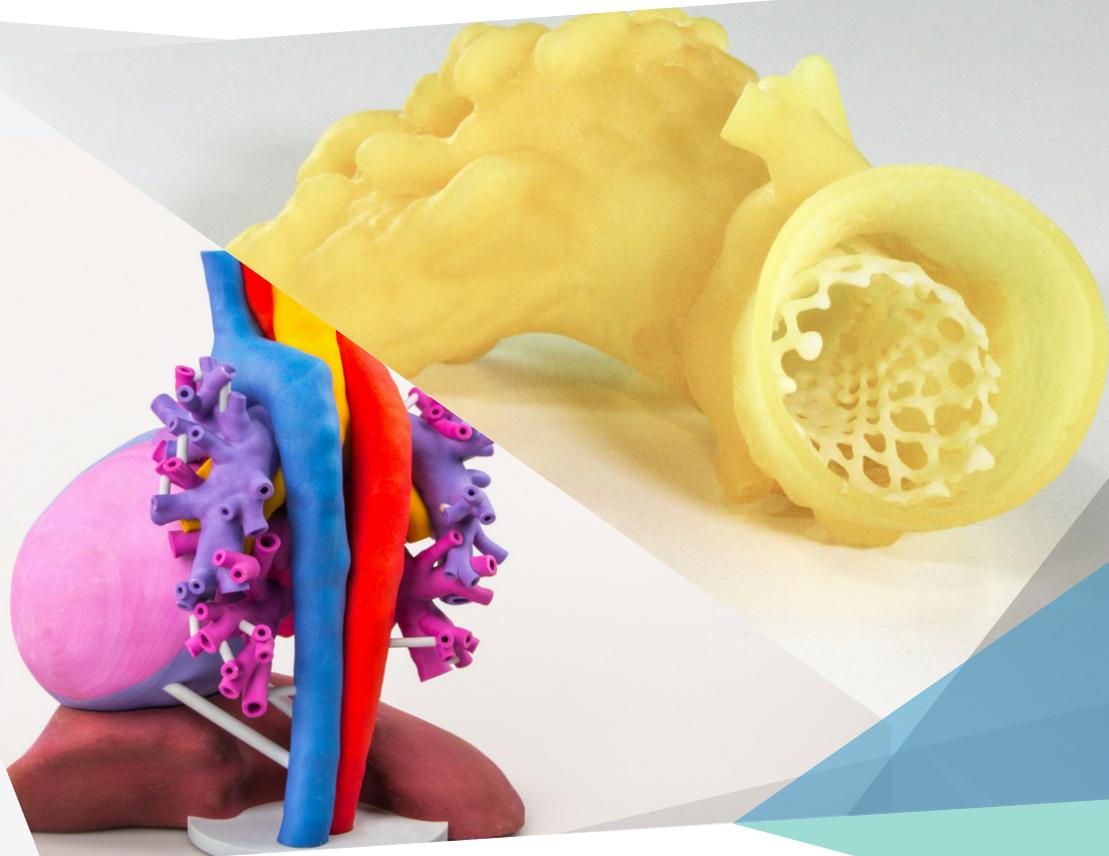
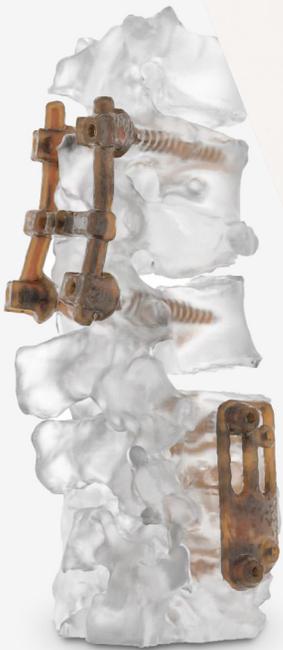




# Anatomic Modeling Solutions

Integrating precision healthcare and 3D technologies for enhanced patient care



Precision Healthcare Solutions

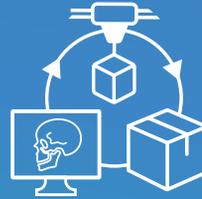
3D Systems offers a range of services for anatomic models. Whether you are looking for a way to create a digital 3D model from DICOM, you already have a 3D file and need a printing service, or you need a full service option, we have you covered. With over 25 years of experience in anatomic modeling, 3D Systems is your partner of choice.



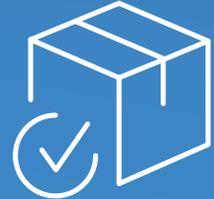
**SOFTWARE**



**ORDER  
INSTANTLY**



**FULL  
SERVICE**



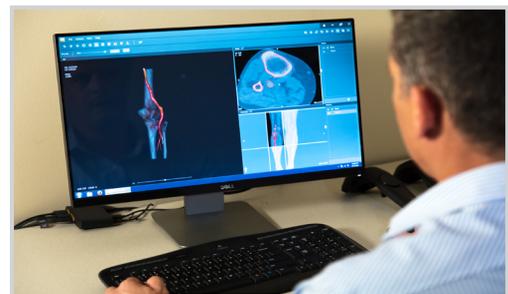
**READY  
TO SHIP**

## D2P<sup>®</sup> Software

D2P is an FDA cleared, standalone modular software package that is designed to address and consolidate all 3D model preparation steps. It relies on automatic segmentation tools driven by deep learning that minimize the effort and time associated with the creation of a digital anatomic model.

Within D2P, users can choose to send their 3D digital model files to the 3D Systems' On Demand Anatomic Model portal for an instant quote to print in a variety of materials.

Ready to bring 3D printing technology to Point of Care? 3D Systems is the only company to offer both a software solution and compatible printers of its own indicated for printing diagnostic anatomic models. Anatomic models can be produced using a variety of 3D Systems printing technologies - ColorJet Printing, Multijet Printing, Stereolithography, and Selective Laser Sintering - including materials that are capable of sterility and biocompatibility.



One creation suite to support all model preparation steps



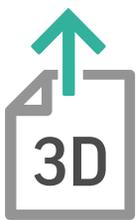
Create 3D models in minutes using automatic segmentation tools.

## Order Instantly: On Demand Anatomic Models

The On Demand Anatomic Modeling service provides a quick and easy solution for 3D printed anatomic models. Medical professionals can upload an STL, OBJ, or PLY file, choose the material, receive an instant quote, and have a model 3D printed by our team of experts. The files can be exported from any model preparation software and sent to 3D Systems for printing. Don't have software? Check out 3D Systems' D2P software with the newly added print feature, or take advantage of our full-service anatomic modeling offering.



### How it works:



#### STEP 1

Upload your STL, OBJ, or PLY file to our On Demand Anatomic Models website



#### STEP 2

Receive an instant quote



#### STEP 3

Place your order



#### STEP 4

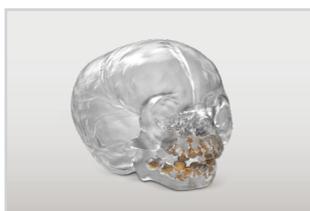
Models typically ship within 5 business days

## Full Service Anatomic Models

Don't have a 3D File? 3D Systems' engineers will process your medical imaging data and a patient-specific 3D printed anatomic model will be produced. 3D Systems' full-service option provides models that can be used for diagnostic purposes.

Utilizing the 3D Systems' anatomic modeling service, the surgeon provides a CT or MR scan of their patient and our team of engineers will process the data, design the model and 3D print it using our state-of-the-art fleet of 3D printers. The model is then shipped to the surgeon for use in pre-surgical planning, pre-surgical rehearsal, educational purposes and can even be used in a sterile environment depending on the material.

### Material options:



#### SLA (Stereolithography) Translucent

Translucent models with selective coloration to highlight vital structures.



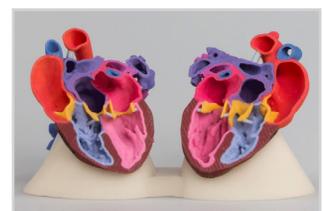
#### SLA (Stereolithography) Opaque

Opaque models printed in our most robust material.



#### MJP (Multijet Printing)

Models printed in a combination of flexible and rigid materials.



#### CJP (ColorJet Printing)

Full color models to aid in visualizing complex structures.

## Ready to Ship: Anatomic Models

We offer a selection of fine detailed anatomic models that are not patient-specific in various sterilizable and non-sterilizable materials for training educational purposes. These pre-designed models feature various anatomic abnormalities or perfected anatomy and assist with training, education and reference purposes.



### Craniofacial Model Skull Library

A collection of pediatric craniofacial deformities, the Craniofacial Model Skull Library was created by selecting diagnosis-specific 3D CT datasets from the craniofacial deformities imaging archive established by Drs. Jeffery L. Marsh and Michael W. Vannier (maintained by Dr. Marsh) from 1983-2003 in St. Louis. Over 2000 CT scans were reviewed by Dr. Marsh and Dr. Chad Perlyn, with technical assistance from Mr. Dan Govier, to identify those scans with the most characteristic dysmorphology of the particular congenital anomaly prior to any intervention.



### N.T.S.

The Normocephalic Templating System is the ideal tool for intra-operative reference in any case involving reconstruction of the cranium. 3D Systems has developed an anthropometrically normal, reusable titanium alloy skull in an adult male version for use in maxillofacial trauma cases such as pan-facial injuries, where standard landmarks have been lost, making it difficult to return the maxillofacial skeleton to its pre-existing form. This reliable and reusable solution for templating aids surgeons in the treatment of severe maxillofacial trauma.

Also available is a junior version which is ideal for use in restoring normal cranial form to an infant undergoing surgery for craniosynostosis or another syndromal condition.



### Library of Models

Anatomic models are beneficial for medical training programs to allow a better understanding of the anatomy, skills attainment and practice on true-to-life models. Medical device companies may also benefit from the use of anatomic models to provide a solid platform for device bench testing.

Visit [www.3dsystems.com/medicalmodellibrary](http://www.3dsystems.com/medicalmodellibrary) to see the current models that are available.

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[www.3dsystems.com](http://www.3dsystems.com)

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