3D SYSTEMS

Anatomical Modeling Solutions

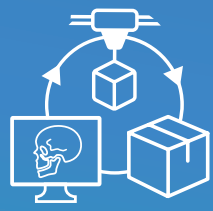
Integrating precision healthcare and 3D technologies for enhanced patient care

Precision Healthcare Solutions

3D Systems offers a range of services for anatomical 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 anatomical modeling, 3D Systems is your partner of choice.

SOFTWARE

ORDER INSTANTLY



FULL SERVICE

READY TO SHIP

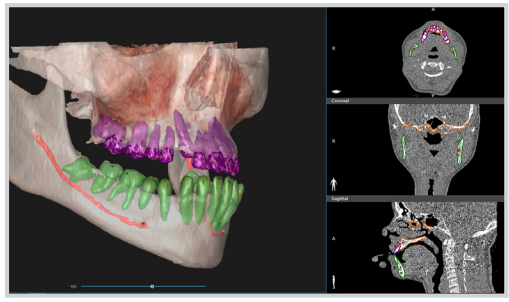
D2P™ Software

D2P is a standalone modular software package that is designed to address and consolidate all 3D model preparation steps. It relies on automatic segmentation tools that minimize the effort and time associated with the creation of a digital anatomical model.

The software is intended to be used by medical staff for pre-operative surgical planning and allows for the export of 3D digital models in various file formats that can be used by numerous applications.

A new feature of D2P has been added that allows the end user to send their 3D digital model files to the 3D Systems' On Demand Anatomical Model portal for an instant quote to print in a variety of materials.

One creation suite to support all model preparation steps

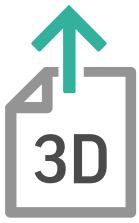


Create 3D models in minutes using automatic segmentation tools.

Order Instantly: On Demand Anatomical Models

The On Demand Anatomical Modeling service provides a quick and easy solution for 3D printed anatomical 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 anatomical modeling offering.

How it works:



STEP 1
Upload your STL, OBJ, or PLY file to our On Demand Anatomical Models website

STEP 2
Receive an instant quote

STEP 3
Place your order

STEP 4
Models typically ship within 5 business days

Full Service Anatomical Models

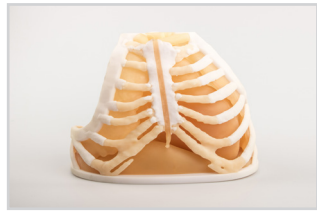
Don't have a 3D File? 3D Systems' engineers will process your medical imaging data and a patient-specific 3D printed anatomical model will be produced. 3D Systems' full-service option provides models that can be used for diagnostic purposes.

Utilizing the 3D Systems' anatomical 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.

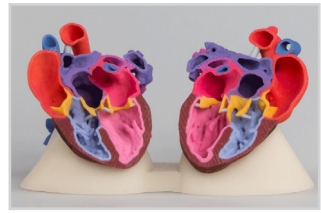
Material options:

SLA (Stereolithography) Translucent
Translucent models with selective coloration to highlight vital strucures.

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: Medical Models

We offer a selection of fine detailed anatomical models that are not patient-specific in various sterilizable and non-sterilizable materials for training educational purposes. These pre-designed models feature various anatomical 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 aides 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

Anatomical 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 anatomical models to provide a solid platform for device bench testing.

Visit www.3dsystems.com/medicalmodellibrary to see the current models that are available.

www.3dsystems.com/healthcare

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