

Anatomic models






Order form






Purchase order number:		
Surgeon name:		
Phone number:		Fax number:
Email address:		
Surgeon signature:		Date:
Stryker representative:		
Patient name:		Date of birth:
CT facility:		CT scan date:
CT facility phone number:		
Date model needed:		
Hospital:		

Completed order form can be faxed to 1 720 643 1009 or emailed to anatomicalmodels@3dsystems.com
MM-557 Rev B
Toll Free: 844 643 1001

Opaque anatomical models

Clear anatomical models

-  Opaque mandible 650000011 Qty. _____
-  Opaque maxilla 650000012 Qty. _____
-  Opaque mandible and maxilla 650000013 Qty. _____
-  Opaque full skull, adult 650000014 Qty. _____
-  Opaque full skull, pediatric (up to 5 years) 650000015 Qty. _____

-  Clear mandible 650000006 Qty. _____
-  Clear maxilla 650000007 Qty. _____
-  Clear mandible and maxilla 650000008 Qty. _____
-  Clear full skull, adult 650000009 Qty. _____
-  Clear full skull, pediatric (up to 5 years) 650000010 Qty. _____

Coloration

- Teeth and tooth buds
- Existing implants
- Other
- Inferior alveolar nerve
- Soft tissue tumor

- CT brain with out contrast
- CT MaxilloFacial with out contrast

Diagnosis with ICDA codes _____
CPT codes _____

CT scanning protocol

Thank you for taking a moment to read this protocol. The quality of the CT or CBCT scan is the most important aspect of creating case-specific anatomical models. Your observation of the recommendations made in this protocol will have a significant impact on the accuracy of the final model. We understand concerns about keeping the radiation dose to your patients as low as reasonably achievable, therefore, please apply these guidelines as appropriate to your patients. Please do not hesitate to contact us toll free at (844) 643-1001 with any questions or prior to using this protocol for the first time.

Please keep in mind the following key points

- Please use a 3D scanning routine that provides high resolution images as would be suitable for image guided surgery, stereotactic planning or other 3D applications. It may be useful to consult with your CT vendor's Application Specialist for advice on optimal parameters for your machine that provide the best scan with acceptable radiation dose levels.
- Acquire scans at a high spatial resolution. Series should be acquired with thin, contiguous image slices (equivalent thickness and spacing of 1.25 mm or less) and as small a field of view (FOV) as possible while still including the patient's anatomy of interest.
- Please provide images in the original scanning plane. If software post-processing is performed to reorient or reformat the scan volume, then a series of thin slice images in the original acquisition plane MUST be included.
- Do not use gantry tilt during image acquisition. Images acquired with gantry tilt then post-processed to reorient images (i.e. "take out" tilt) are not acceptable.
- Please ensure that scans are free from motion artifact. Patient must remain completely still through the entire scan. If patient motion occurs, the scan must be restarted. Image distortion from patient motion can severely compromise the accuracy of a model.
- Image artifact caused by metallic implants can obscure anatomy of interest. Please take steps to minimize artifact from the presence of metal. It is useful to position the patient so that the occlusal plane is parallel to the image plane (see figure). This can help to limit artifact from metallic dental restorations to the region around the teeth.
- Archive the entire study in uncompressed DICOM format on CD-R or DVD for shipping.

A surgeon must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. Stryker does not dispense medical advice and recommends that surgeons be trained in the use of any particular product before using it in surgery.

The information presented is intended to demonstrate the breadth of Stryker product offerings. A surgeon must always refer to the package insert, product label and/or instructions for use before using any Stryker product. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.

Please visit
www.3dsystems.com/medicaldata for digital transfer of DICOM images.

Manufactured by:
 3D Systems
 5381 South Alkire Circle
 Littleton, Colorado 80127 USA
 t: 844 643 1001 (toll-free US/Canada)
 t: 720 643 1001
 f: 720 643 1009
www.3dsystems.com/healthcare
denver.healthcare@3dsystems.com
 MM-509 Rev C

Distributed by:
 Stryker Craniomaxillofacial
 Kalamazoo, MI 49002 USA
t: 269 389 5346
 toll free: 800 962 6558
 f: 877 648 7114

stryker.com/cmf
 3DS-BR-19_Rev. None_27691
 Copyright © 2020 Stryker
 Printed in USA

Recommended protocol for medical CT scanners

Scan spacing	1.25 mm (equal to slice thickness)
Pixel size	0.60 mm (equal to scan spacing)
Field of view	20.0 - 25.0 cm
Algorithm (examples)	GE: standard (not bone or detail) (Siemens: H30s, Toshiba: FC20, Philips: B)
Gantry tilt	0°
Archive media	CD or DVD
File type	DICOM (uncompressed)
Series	Original/primary/axial (no recon, reformat or post process data)

Recommended protocol for medical CBCT scanners

Scan time	Longest available
Voxel size	0.3 - 0.5mm
Field of view	Largest available
File type	CT (one file per slice)
Reconstruction	Axial
Compression	Uncompressed

Patient positioning

Occlusal plane should be parallel to the gantry.

