# For best results please review these guidelines.

Printing Requirements

- Have a volumetric DICOM data set.

- THE PRIMARY/AXIAL/ORIGINAL SERIES/SLICES IS REQUIRED TO PRINT.

- Archive the entire study in uncompressed DICOM format with one slice per file.

Technical Guidelines

- The accuracy of the patient-specific anatomical model is dependent upon the quality of the CT scan or ConeBeam scan.
- Motion artifact will affect the accuracy of the anatomical model. The file quality will be poor if it contains motion artifacts.
- If scanning, use a scanning algorithm that produces high-resolution images suitable for 3D reconstruction or stereotactic planning (consult with you scanner manufacturer to use the correct settings).
- High spatial resolution scans are critical. The series should be acquired in continuous slices at a thickness of 0.5mm – 1.0mm. Slice spacing and thickness should be the same.
- The scanning FOV must contain the entire region of interest with a 5mm margin.
- Please do not use gantry tilt. Position the patient with the occlusal plane parallel to the image plane.
- For CBCT, use a long scan time and a Voxel Size of .3 to .4mm with the largest FOV.
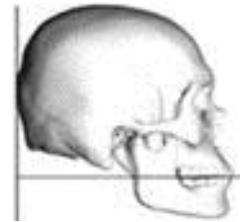
Getting Started uploading the DICOM data via Bespoke Modeling

Go to www.3dsystems.com/bespokemodeling

Select your subscription level from the "Subscribe" menu and then register as a new user

http://www.3dsystems.com/bespoke/modeling/sign-in

Ensure that Microsoft Silverlight is loaded

Download the "upload" application.

Download the "user manual"

View the video tutorials on the "tour" page

Upload the DICOM data set and select "view" and you will have a 3D medical model in a few seconds.

If you have any questions please don't hesitate to contact us at support.bespoke@3DSystems.com