

Materials List for:

Scaled Anatomical Model Creation of Biomedical Tomographic Imaging Data and Associated Labels for Subsequent Sub-surface Laser Engraving (SSLE) of Glass Crystals

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URL: <https://www.jove.com/video/55340>

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Materials

Name	Company	Catalog Number	Comments
3D Laser Engraving Machine	Wuhan Synpny Laser Co., Ltd.	STNP-801AB4	3D Laser Engraver
3D Slicer	Slicer	Version 4.3.1	Surface Map Generator Program
Albira micro CT	Bruker Corporation		Alternatively, a PET/SPECT/CT scanner can be utilized
Autodesk Inventor Professional 2013	Autodesk, Inc.	64bit edition, 2013 RTM, Build 138	CAD program
Clinical CT data sets	Saint Joseph Regional Medical Center		
MeshLab	Institute of the National Research Council of Italy (ISTI-CNR)	Volume 1.3.4 BETA	3D Mesh Processing Program
Netfabb Studio Basic	netfabb GmbH	Version 4.9.0	3D Data Preparation Software
Netfabb Studio Professional	netfabb GmbH	Version 5.2.1 64bit	3D Data Preparation Software-Professional
OsiriX Lite Imaging Software	Pixmeo	Version 7.0.3	DICOM Imaging Software
PMOD	PMOD Technologies LLC	Version 3.306	Image Processing Software