

Materials List for:

Precision Measurements and Parametric Models of Vertebral Endplates

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URL: <https://www.jove.com/video/59371>

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Materials

Name	Company	Catalog Number	Comments
Catia	Dassault Systemes, Paris, France	https://www.3ds.com/products-services/catia/	3D surface model reconstruction, free curve and surface editing and data processing
Geomagic Studio	Geomagic Inc., Morrisville, NC	https://cn.3dsystems.com/software?utm_source=geomagic.com&utm_medium=301	point cloud data processing
MATLAB	The MathWorks Inc., Natick, USA	https://www.mathworks.com/	analyze data, develop algorithms, and create models
Optical 3D range flatbed scanner	Xi'an XinTuo 3D Optical Measurement Technology Co.Ltd., Xi'an, Shaanxi, China	http://www.xtop3d.com/	acquire surface geometric parameters and convert into digital points