

Materials List for:

A Protocol for Bioinspired Design: A Ground Sampler Based on Sea Urchin Jaws

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Materials

Name	Company	Catalog Number	Comments
BUEHLERMET II 8 PLN 600/P1200	Buehler	305308600102	Abrasive paper for polishing
TRIDENT POLISH CLOTH 8" PSA	Buehler	407518	Polish cloth for 3 μm suspension
METADI SUPREME POLY SUSP,3MIC	Buehler	406631	Polish suspension (3 μm)
MICROCLOTH FOR 8 IN WHEEL PSA	Buehler	407218	Polish cloth for 50 nm suspension
MASTERPREP SUSPENSION, 6 OZ	Buehler	636377006	Polish suspension (50 nm)
Skyscan 1076 micro-CT Scanner	Bruker		Micro-CT scanner equipment
Amira software	FEI Visualization Sciences Group		Software for 3D manipulation of Micro-CT scans
FEI Philips XL30	FEI Philips		ESEM equipment for characterization of polished tooth cross-sections
SolidWorks Design software	Dassault Systems		Design software for CAD drawing bioinspired device
SolidWorks Simulation software	Dassault Systems		Simulation software for stress test of CAD drawing bioinspired device
Dimension 1200es	Stratasys		3D printer for fabrication of bioinspired device from CAD drawing
ABSplus	Stratasys		3D printer plastic