

Materials List for

# Mechanoluminescent Visualization of Crack Propagation for Joint Evaluation

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jove.com/video/64118

## Materials

Name	Company	Catalog Number	Comments
Aluminum plate	Engineering Test Service Co.,Ltd.	A5052	A5052 is defined name as quality of aluminum in standards.
Blue LED	MORITEX Co.	MBRL-CB13015	
Camera	Baumer	TXG04 or VLU-12	CCD or CMOS
Coating thickness gauge	KETT	LZ-373	
Epoxy adhesive	Nagase ChemteX Co.	Denatite2202	structural adhesive
ImageJ	National Institutes of Health	Image J 1.53K	Image processing software
Mechanical testing machine	SHIMADZU Co.	EZ Test EZ-LX	
Mechanoluminescent (ML) paint	Sakai Chemical Industry Co. Ltd.	ML-F2ET3	The ML paint in 1.1 is 2 components epoxy paint, and consisting of epoxy main reagent and curing reagent as described in 1.2.1. $\text{SrAl}_2\text{O}_4:\text{Eu}^{2+}$ ML ceramic particle is including in main epoxy reagent.
Microscope	keyence	VHX-6000	
Stainless steel plate	Engineering Test Service Co.,Ltd.	SUS631	A631 is defined name as quality of stainless steel in standards.
Viscometer	Sekonic Co.	Viscomate VM-10A	