

Materials List for:

# High-Contrast and Fast Photorheological Switching of a Twist-Bend Nematic Liquid Crystal

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URL: <https://www.jove.com/video/60433>

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## Materials

Name	Company	Catalog Number	Comments
21-401-10	AS ONE		Microspatula
AL1254	JSR		Planar alignment agent for liquid crystals
BX53P	Olympus		Polarising microscope with transmission/epi-illumination units
Discovery DSC 25P	TA instruments		Photo-DSC equipment
Glass cutter PRO-1A	Sankyo		A diamond-based glass cutter
HS82	Mettler Toledo		hot stage
MCR502	Anton Paar		A commercial rheometer
MRJ-100S	EHC		Rubbing machine
Norland Optical Adhesive 65, 81	Norland Products		Photoreactive adhesions
OmniCure S2000	Excelitas Technologies		A commercial high-pressure mercury vapor short arc lamp. Maximum 70 mW/cm <sup>2</sup> .
PILATUS 6M	Dectris		Hybrid photon counting detector for X-ray diffraction detection
S1126	Matsunami Glass		Glass substrate
SC-158H	EHC		Spin coater
SCAT-20X	DKS		Alkaline detergent
SLUV-4	AS ONE		Low-pressure mercury vapor short arc lamp
UV-208	Technovision		Ultraviolet-ozone (UV-O3) cleaner