

Materials List for:

Fabrication of High Contrast Gratings for the Spectrum Splitting Dispersive Element in a Concentrated Photovoltaic System

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URL: <https://www.jove.com/video/52913>

DOI: [doi:10.3791/52913](https://doi.org/10.3791/52913)

Materials

Name	Company	Catalog Number	Comments
184 Silicone elastomer kit	Sylgard		Polydimethylsiloxane (PDMS)
4 inch silicon wafer	Universitywafer		
4 inch fused silica wafer	Universitywafer		
Poly(methyl methacrylate)	Sigma-Aldrich	182265	
UV-curable resist			Nor available on market
PlasmaLab System 100	Oxford Instruments		ICP IRE machine
UV curing system for nanoimprint fabrication			Not available on market
Ocean Optics HR-4000	Ocean Optics	HR-4000	Spectrometer with normal detector
Lambda 950 UV / VIS	PerkinElmer		spectrometer with hemisphere intergration detector
JSM-7001F-LV	JEOL		Field emission SEM
DC magnetron sputtering machine			Equipment is in HP labs, who helped us to sputter the TiO ₂
Metal e-beam evaporator	Temescal	BJD-1800	