

Materials List for:

A Fabrication Method for Highly Stretchable Conductors with Silver Nanowires

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Materials

Name	Company	Catalog Number	Comments
Silver nanowire	Sigma-Aldrich	778095-25ML	AgNW, 120 nm in diameter and 20-50 mm in length, 0.5 wt% in IPA
Silver nitrate crystal	Macron Fine Chemicals	MK216903	
Diethanolamine	Sigma-Aldrich	D8885-500G	
Polyurethane emulsion	First Chemical	20130326036	35 wt% water-based anionic polyester-polyurethane emulsion
Airbrush	Taiwan Airbrush & Equipment	AFC-sensor	
Desktop robot	Dispenser Tech	DT-200	
Digital dispenser controller	Dispenser Tech	9000E	
Auto-spraying program	Dispenser Tech	Smart robot edit version 3.0.0.5	
Air compressor	PUMA Industrial	NCS-10	
Linear motorized stage	TANLIAN E-O	Customized	
Stage control software	TANLIAN E-O	Customized	
Digital multimeter	HILA INTERNATIONAL	DM-2690TU	
Digital multimeter software	HILA INTERNATIONAL	NA	
Power supply	CHERN TAIH	CT-605	
LED	PChome	M08330766	http://www.pcstore.com.tw/sunflower/M08330766.htm