Materials List for:

Study of a Dot-patterning Process on Flexible Materials using Impact Print-Type Hot Embossing Technology

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Materials

Name	Company	Catalog Number	Comments
0.3mm High Quality Clear Rigid Packaging PVC Film Roll For Vacuum Forming	Sunyo	SY1023	PVC film / Thickness : 300μm
Acryl(PMMA) film	SEJIN TS	C200	PMMA film / Thickness : 175μm
Confocal Laser Scanning Microscope: 3D-Topography for Materials Analysis and Testing	Carl Zeiss	LSM 700	3D confocal microscope / Supporting Mode : 2D, 2.5D, 3D topography
DAQ board	NATIONAL INSTRUMENTS	USB-6211	Control board for two stage and impact header / 16 inputs, 16-bit, 250kS/s, Multifunction I/O
DC Power Supply	SMART	RDP-305AU	3 channel power supply / output voltage : 0~30V, Output current : 0~5A
L511 stage	PI	L511.20SD00	Z-stage / Travel range : 52mm
Large Digital Hotplate	DAIHAN Scientific	HPLP-C-P	Heatplate / Max Temp : 350ºC
M531 stage	PI	M531.2S1	X-stage / Travel range : 306mm
Mylar Polyester PET films	CSHyde	48-2F-36	PET film / Thickness : 50μm
OPA2541	BURR-BROWN	OPA2541BM	OP-AMP / Output currents : 5A, output voltage : ±40V

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