

Functional Materials for Inkjet Printing

	Item	Company Name	Web Site
Substrates	Flexible Films		
	Electrically Conductive Kapton	McMaster-Carr	www.mcmaster.com
	Polyethylene (PE)	McMaster-Carr	www.mcmaster.com
	Standard Kapton	McMaster-Carr	www.mcmaster.com
	Thermally Conductive Kapton	McMaster-Carr	www.mcmaster.com
	Teslin	PPG Industries	http://www.ppg.com/specialty/teslin/about/Pages/default.aspx
	Indium Tin Oxide-coated PET	Sigma-Aldrich	www.sigmaaldrich.com
	Polyethylene Naphthalate (PEN)	Teijin Dupont Films	www.teijindupontfilms.jp
	Aptiv Polyaryletheretherketone (PEEK)	Victrix	http://www.victrix.com/en/products/activ-films/activ-films.php
	Paper Films		
	Premium Photo Paper Glossy	Epson	www.epson.com
	Fabrics		
	Cotton	McMaster-Carr	www.mcmaster.com
	Nylon	McMaster-Carr	www.mcmaster.com
	Polyester	McMaster-Carr	www.mcmaster.com
	Metals		
	Alloy 110 Electronic-grade Copper Foil	McMaster-Carr	www.mcmaster.com
	Aluminum	McMaster-Carr	www.mcmaster.com
	PTFE-coated Aluminum Foil	McMaster-Carr	www.mcmaster.com
	Stainless Steel Foil	McMaster-Carr	www.mcmaster.com
	Hybrids		
	Indium Tin Oxide-coated PET	Sigma-Aldrich	www.sigmaaldrich.com
	Glass		
	Extreme Temperature Quartz Pure Glass	McMaster-Carr	www.mcmaster.com
	Heat-resistant Borosilicate Glass	McMaster-Carr	www.mcmaster.com
	Indium Tin Oxide-coated Aluminosilicate Glass	Sigma-Aldrich	www.sigmaaldrich.com
Fluids	Conductive Silvers		
	DGH 55LT-25C	ANP	http://www.anapro.com/eng/product/silver_inkjet_ink.html
	DGH 55-HTG	ANP	http://www.anapro.com/eng/product/silver_inkjet_ink.html
	DGP 40LT-15C	ANP	http://www.anapro.com/eng/product/silver_inkjet_ink.html
	DGP 45HTG	ANP	http://www.anapro.com/eng/product/silver_inkjet_ink.html
	DGP 40TE-20C	ANP	http://www.anapro.com/eng/product/silver_inkjet_ink.html
	Ag-IJ10 (ANI Nanoparticle Silver Ink)	Applied Nanotech	http://www.appliednanotech.net/tech/conductive_ink_ag.php
	Silver Nano-Ink	Archipelago Technology Group	http://www.architechgroup.com/services/
	CD102-DIG	Genes'ink	http://www.genesink.com/portal_upload/files/Tableauproduits-ConductivInksv7.pdf
	NPS-J	Harima Electronic Materials	http://www.harima.co.jp/en/products/electronics/pdf/brochure14e_21.pdf
	NPS-J-HTB	Harima Electronic Materials	http://www.harima.co.jp/en/products/electronics/pdf/brochure14e_21.pdf
	TEC-IJ-010	InkTec	http://www.inktec.com/english/product_info/electronic_tec.asp
	TEC-IJ-030	InkTec	http://www.inktec.com/english/product_info/electronic_tec.asp
	TEC-IJ-060	InkTec	http://www.inktec.com/english/product_info/electronic_tec.asp
	9101 Inkjet Silver	Methode Development Corporation	www.methoddevelopment.com
	NanoSilver Conductive Ink	NanoMas Technologies	http://www.melaniedukas.com/nanomas/nanosilver-conductive-inks.html
	Metalon Silver	Novacentrix	http://www.novacentrix.com/products/metalon-inks/silver
	Sicrys™ i50T-11	P.V. Nano Cell Ltd.	http://www.pvnanocell.com/products.html
	Sicrys™ i30EG-1	P.V. Nano Cell Ltd.	http://www.pvnanocell.com/products.html
	Sicrys™ i50TNG4.3-2	P.V. Nano Cell Ltd.	http://www.pvnanocell.com/products.html
	Sicrys™ i50T-13	P.V. Nano Cell Ltd.	http://www.pvnanocell.com/products.html
	EMD5730 SunTronic Jettable Silver	Sun Chemical	http://www.sunchemical.com/suntronic-eclipse-2/
	Conductive Inorganics (not silver)		
	Ni-IJ70 (Nickel)	Applied Nanotech	http://www.appliednanotech.net/tech/conductive_ink_ni.php
	Cu-IJ70	Applied Nanotech	http://www.appliednanotech.net/tech/conductive_ink_cu.php
	ITO	Air Products	www.airproducts.com
	NPG-J (Gold)	Harima Electronic Materials	http://www.harima.co.jp/en/products/electronics/pdf/brochure14e_21.pdf
	NI-002 (Nickel)	Intrinsiq Materials	http://intrinsiqmaterials.com/our-products/
	CI-002 (Copper)	Intrinsiq Materials	http://intrinsiqmaterials.com/our-products/
	NanoGold Inks (NTG05)	NanoMas Technologies	http://www.melaniedukas.com/nanomas/gold-nanoparticle-inks.html
	Metalon Copper	Novacentrix	www.novacentrix.com/products/metalon-inks/copper
	Conductive Organic Materials		
	Orgacon PEDOT	AGFA	http://www.agfa.com/sp/global/en/internet/main/solutions/orgacon_electronic_materials/index.jsp
	Carbon Nanotubes (CNTs)	Brewer Science	http://www.brewerscience.com/carbon-electronics
	CLEVIOS™ P Jet N	Heraeus	http://www.heraeus-clevios.com/media/webmedia_local/media/technical_informations_flyer/Clevios_P_Jet_Formulations.pdf
	Graphene	Innophene Company LTD	http://www.innophene.com/product.php
	OLED	Merck	http://www.emd-performance-materials.com/en/index.html
	Semiconductor Fluids		
	Organic/Inorganic	Xerox Canada	http://www.xerotechnology.com/xt.nsf/p02?readform&unid=36941C35477CCD038525795800508723
	Decorative Materials		
	Gold Nano Ink (decorative)	Johnson Matthey	www.matthey.com/
	Insulating Materials		
	SunTronic EMD6415 (dielectric paired with EMD5730)	Sun Chemical	http://www.sunchemical.com/suntronic-solsys/
	Cover Layer, Interlayer Insulator		
	Overcoat	Chisso (JNC Corp)	http://www.jnc-corp.co.jp/english/product/list/p-material.html
	Polyimides		
	Polyimide Ink for Inkjet Printing	Chisso (JNC Corp)	http://www.jnc-corp.co.jp/english/product/list/p-material.html
	Surface Treatment		
	Liquid Shedding Material (UV & Thermal Cure)	Chisso (JNC Corp)	http://www.jnc-corp.co.jp/english/product/list/p-material.html
	Photoresists		
	Liquid Shedding Material (Positive/Negative Resists)	Chisso (JNC Corp)	http://www.jnc-corp.co.jp/english/product/list/p-material.html
	NR Series Negative Resists	Futurrex	http://futurrex.com/en/products/negative-photoresists.html
	Shipley Microposit S1800 Series Photoresists	MicroChem	http://184.168.52.107/PDFs_Dow/S1800.pdf
	PMMA	MicroChem	http://184.168.52.107/Prod-PMMA.htm
	Resins		
	Loctite 770 Prism Adhesion Promoter	Henkel	http://www.henkelna.com/product-search-1554.htm?nodeid=8797888348161
	UV Curable Inks		
	Multi-Purpose UV Curable Inks (Variety of Colors)	INX Digital	http://www.inxdigital.com/e-catalog/index.html#64/
	C-Flex (Dimatix UV Curable)	Collins Ink Corporation (previously Hexion)	http://www.collinsink.com/p-348-c-flex-platform.aspx
	C-Stretch (Dimatix UV Curable)	Collins Ink Corporation (previously Hexion)	http://www.collinsink.com/p-356-c-stretch-platform.aspx
Processing Equipment	UV Light Source		
	Baldwin UV-Curing Systems	Baldwin	http://www.baldwintech.com/en/product_segments/sheet_fed_systems/uv-curing.aspx
	UV Light Test Strips	Bruder Handle & Consulting	http://www.bruderhc.ch/products.php?language=english
	Fusion UV Systems	Heraeus Noblelight Fusion UV	http://www.fusionuv.com/standard_products.aspx
	Hoenle UV Lamps	Hoenle UV Technology	http://www.hoenle.de/de/uv-produkte/uv-strahler/?no_cache=1
	Integration Technology UV LED Systems	Integration Technology	http://www.uvintegration.com/products/
	IST Metz UV Systems	IST Metz UV	http://www.ist-uv.com/uv-technology/ist-uv-systems/
	S1000 (Easy connection to DMP-2831)	Lumen Dynamics	http://www.ldgi-omnicure.com/products-s1000.php
	S2000 (Easy connection to DMP-2831)	Lumen Dynamics	http://www.ldgi-omnicure.com/products-s2000.php
	FireEdge	Phoseon Technology	http://www.phoseon.com/products/FireEdge.html
	FireFlex	Phoseon Technology	http://www.phoseon.com/products/FireFlex.html
	FireFly	Phoseon Technology	http://www.phoseon.com/products/FireFly.html
	StarFire MAX	Phoseon Technology	http://www.phoseon.com/products/StarFireMAX.html
	Thermal Processing Source		
	adphos IR Systems	adphos Innovative Technologies GmbH	http://www.adphos.com/NIR-lab_en.html
	Novacentrix PulseForge	Novacentrix	http://www.novacentrix.com/products/pulseforge
	Xenon Pulsed Light Systems	Xenon	http://www.xenoncorp.com/print_mkt.html
	Lab Equipment		
	Bell Jar	Elemental Scientific LLC	http://www.elementalscientific.net/store/scripts/prodView.asp?dproduct=1101
	Vacuum Table (degassing)	Elemental Scientific LLC	http://www.elementalscientific.net/store/scripts/prodView.asp?dproduct=1102
	Ozone Surface Cleaning Systems	Jelight Company	http://www.jelight.com/uv-ozone-cleaning.html
	DMP Equipped with UV Light Source		
	MetalJet 2000	Conductrive Inkjet Technology	http://www.conductriveinkjet.com/equipment/metaljet-2000.aspx
	Glovebox for DMP-2831		
	Modular Gloveboxes	Innovative Technology	http://www.gloveboxes.com/
	Modular Gloveboxes	MBRAUN	http://www.mbraun.com/products/glovebox-workstations/