



Order NovaCentrix Inks Online

NovaCentrix inks can be purchased in sample quantities directly on our web store at store.novacentrix.com or from our website at www.novacentrix.com.

Inks Summary

Ink	Pigment	Loading Weight %	Substrates	Thermal cure minimum (C)*	Usage comments	Example application areas
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INKJET INKS

JS-A101/102	Silver nanoparticles	40	non-porous (plastics, glass, metals)	120	Dimatix, Xaar, HP, others	Low resistance inkjet circuits on low temperature substrates
JS-B40G	Silver nanoparticles	40	non-porous (plastics, glass)	180	Dimatix, Xaar, others	circuits on glass or ITO, e.g. proximity switches
JS-B25HV	Silver nanoparticles	25	porous (Novele, photo paper)	25	Dimatix, Xaar, others	circuits on coated plastic, e.g. membrane switches
JS-B25P	Silver nanoparticles	25	porous (Novele, photo paper)	25	Desktop piezoelectric printers	tamper-proof seals, quick circuit design evaluation
ICI-002HV	Copper oxide nanoparticles	16	porous (Novele)	NA	Dimatix, Xaar, others; requires PulseForge processing	UHF antenna on coated plastic
ICI-003	Copper oxide nanoparticles	10	porous (Novele)	NA	Desktop piezoelectric printers; requires PulseForge processing	Plasmonic reflectors
JR-700LV	Carbon nanoparticles	3.5	non-porous (plastics, glass, metals)	100	Desktop printers, lower viscosity	Resistors, sensors
JR-700HV	Carbon nanoparticles	5	non-porous (plastics, glass, metals)	100	Dimatix, Xaar, others, higher viscosity	Resistors, sensors

SCREEN INKS

HPS-FG32	Silver flake	75	porous / non-porous (plastic, glass, metals)	100	Long open time on screen, solderable, water-resistant, Cleans with isopropanol	LED lighting, Appliance user interface panels, Integrated Circuit packaging, textile printing
HPS-FG57B	Silver flake	70	porous / non-porous (plastic, glass, metals)	100	Long open time on screen, solderable, water-resistant, thermoformable, cleans with isopropanol	LED lighting, Appliance user interface panels, Integrated Circuit packaging, textile printing
HPS-Q21LV	Silver flake	75	porous / non-porous (plastics, glass)	120	Aqueous base, cleans with water	HF RFID antenna
HPS-Q30LV	Silver nano flake	75	porous / non-porous (plastics, glass)	175	Aqueous base, cleans with water	Solar cell collection grid
PSI-211	Silver nanoparticles	42	porous / non-porous (plastics)	80	Aqueous base, cleans with soapy water	Battery electrode
PSI-219	Silver nanoparticles	41	porous / non-porous (plastics)	80	Aqueous base, cleans with soapy water	Embedded electronics into graphics
ICI-021	Copper oxide nanoparticles	60 - 70	porous (paper)	NA	Requires PulseForge processing	UHF RFID antenna on paper
HPN-DEV	Nickel flake	varies	porous / non-porous (plastics, glass)	varies	Developmental inks	Magnetic switches
HPR-059	Carbon nanoparticles	10	porous / non-porous (plastic, glass, metals)	100	Aqueous base, cleans with water	Resistors, sensors





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FLEXOGRAPHIC INKS

PFI-722	Silver nanoparticles	60	porous / non-porous (plastics)	80	High speed printing	Conductive grid pattern on plastic
PFI-500	Silver nanoparticles	50	porous / non-porous (plastics)	80	Low to medium speed printing, designed for flexiproof use	Conductive grid pattern on plastic
PFI-600	Silver nanoparticles	60	porous / non-porous (plastics)	80	Low to medium speed printing	Conductive grid pattern on plastic

GRAVURE INKS

PFI-722	Silver nanoparticles	60	porous / non-porous (plastics)	80	Some hazing present	
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AEROSOL JET INKS

HPS-108AE1	Silver nano flake	60	porous / non-porous (plastics, glass, metals)	175	Pneumatic system, salt-water resistant	3D antennae
HPS-030AE1	Silver nano flake	55	porous / non-porous (plastics, glass)	175	Pneumatic system	Printed Faraday cages / ground planes; antennae
PSPI-1000	Silver nanoparticles	38	porous / non-porous (plastics)	80	Pneumatic system	3D antennae

SPRAY INKS

PSPI-0250	Silver nanoparticles	38	porous / non-porous (plastics)	80	Low binder concentration; lowest electrical conductivity for PSPI-xxxx inks	Large area electrodes, electromagnetic shielding
PSPI-0500	Silver nanoparticles	38	porous / non-porous (plastics)	80	Medium binder concentration	Large area electrodes, electromagnetic shielding
PSPI-1000	Silver nanoparticles	38	porous / non-porous (plastics)	80	High binder concentration; best adhesion for PSPI-xxxx inks	Large area electrodes, electromagnetic shielding

