



Order NovaCentrix Inks Online

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

Inks Summary

Ink	Particle	Loading Wt %	Vehicle	Curing Temp (C)*	Resistivity (OHM-CM)	Substrates	Features
AEROSOL JET INKS							
JS-A221AE	Silver nanoparticle	50	Aqueous	100 - >250	<9.1E-6 to 4.2E-4	Plastics, glass and metal	Contains a fluoropolymer for excellent adhesion and water resistance
JS-A426	Silver nanoparticle	50	Aqueous	100 - >250	<1.2E-5 to 7.0E-4	Plastics, glass and metal	Contains a polyurethane for excellent adhesion and water resistance
HPS-108AE1	Silver nanoflake	65	Aqueous	100 - >250	<1.0E-5 to 3.0E-4	Plastics, glass and metal	Contains a polyurethane for excellent adhesion and water resistance
CI-006	Copper nanoparticle	60	Glycol ether	190C or Laser	3.4E-6 to 7.7E-6	PET and polyimide	Requires laser curing under reducing atmosphere or formic acid vapor
INKJET INKS							
JS-A101A	Silver nanoparticles	40	Aqueous	100 - >250	7.8E-6 to 3.1E-5	Paper (requires PulseForge) and plastics	High conductivity
JS-A102A	Silver nanoparticles	40	Aqueous	100 - >250	7.8E-6 to 3.1E-5	Paper (requires PulseForge) and plastics	High conductivity
JS-A191	Silver nanoparticles	40	Aqueous	100 - >250	7.8E-6 to 3.1E-5	Paper (requires PulseForge) and plastics	High conductivity and excellent line definition
JS-A211	Silver nanoparticles	40	Aqueous	100 - >250	7.7E-6 to 7.3E-4	Paper (requires PulseForge), plastics and glass	Contains a fluoropolymer binder for excellent adhesion
JS-A291	Silver nanoparticles	40	Aqueous	100 - >250	9.9E-6 to 5.3E-4	Paper (requires PulseForge), plastics and glass	Contains a polyurethane binder for excellent adhesion
JS-A39S-R	Silver nanoparticles	30	Aqueous	100 - >250	NA	Plastics and glass	Mirror-like effects with digital printing
JS-B25P	Silver nanoparticles	25	Aqueous	100C or PulseForge	3.0E-6 to 1.5E-5	Novele or Epson photo paper	Conductive immediately after printing on Novale and photo paper (desktop printers)
JS-B25HV	Silver nanoparticles	25	Aqueous	100C or PulseForge	3.0E-6 to 1.5E-5	Novele or Epson photo paper	Conductive immediately after printing on Novale and photo paper
ICI-002HV	Copper oxide nanoparticles	16	Aqueous	PulseForge	9.0E-6	Novele	Print on Novale with PulseForge processing
CI-004	Copper nanoparticles	20	Glycol ether	250C formic acid or PulseForge	1.2E-5	Polyimide	Process with PulseForge, laser, or formic acid vapor
CI-005	Copper nanoparticles	26	Glycol ether	250C formic acid	9.0E-6	Coated and uncoated glass	Process with laser or formic acid vapor
JR-700LV	Carbon black nanoparticles	3.5	Aqueous	100 - >250	1.1 to 1.3	Coated and uncoated plastics	Resistive ink contains fluoropolymer for excellent adhesion (desktop printers)
JR-700HV	Carbon black nanoparticles	5	Aqueous	100 - >250	0.5 to 0.8	Coated and uncoated plastics and glass	Resistive ink contains fluoropolymer for excellent adhesion
FLEXOGRAPHIC INKS							
PFI-500	Silver nanoparticles	50	Aqueous	≥ 80	7E-6 to 9E-6	PET, polyimide, PC, polyurethane, coated papers	Used with handheld proofers
PFI-600	Silver nanoparticles	60	Aqueous	≥ 80	5E-6 to 7E-6	PET, polyimide, PC, polyurethane, coated papers	Fine-line printing, very good adhesion, print speeds as low as 12 m/min
PFI-722	Silver nanoparticles	60	Aqueous	≥ 80	5E-6 to 7E-6	PET, polyimide, PC, polyurethane, coated papers	Fine-line printing, print speeds > 45 m / min
PFI-A604PO	Silver nanoparticles	60	Aqueous	≥ 80	5E-6 to 7E-6	PET, treated polyolefins, polyimide, PC, polyurethane, coated papers	Designed for treated polyolefin surfaces
PFI-RSA6004	Silver nanoparticles	60	Aqueous	≥ 80	1.0E-5 to 1.2E-5	PET, polyimide, PC, polyurethane, coated papers	Silver-colored reflective and electrically-conducting patterns
PFI-RSA6012	Silver nanoparticles	60	Aqueous	≥ 80	8E-6 to 1E-5	PET, polyimide, PC, polyurethane, coated papers	Silver-colored reflective and electrically-conducting patterns



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SCREEN INKS							
HPS-021LV	Silver flake (1.5 micron)	75	Aqueous	80 - >250	5.1E-6 to 2.8E-5	Paper, plastics, glass, metal	Low viscosity, high conductivity
HPS-FG36A	Silver flake (1.5 micron)	86	Butyl carbitol	100 - >250	5.1E-6 to 2.0E-5	Paper, plastics, glass, metal	Excellent conductivity, long open time
HPS-FG32	Silver flake (1.5 micron)	75	Butyl carbitol	120 - >250	1.0E-5 to 2.3E-5	Paper, plastics, glass, metal	Excellent adhesion and water resistance
HPS-FG57B	Silver flake (1.5 micron)	70	Butyl carbitol	120 - >250	1.0E-5 to 2.8E-5	Paper, plastics, glass, metal	Excellent adhesion and water resistance
HPS-030LV	Silver nanoflake (0.3 micron)	75	Aqueous	80 - >250	5.1E-6 to 2.3E-4	Paper, plastics, glass, metal	Lower viscosity, fine line printing
HPS-FG77	Silver nanoflake (0.3 micron)	85	Butyl carbitol	120 - >250	5.1E-6 to 1.8E-5	Paper, plastics, glass, metal	High loading, fine line printing, dispensable
PSI-211	Silver nanoparticles	40	Aqueous	≥ 100	< 9.1E-6	Treated PET, polyimide, PC, and coated papers	Excellent conductivity, low surface roughness
PSI-219	Silver nanoparticles	40	Aqueous	≥ 80	< 1.1E-5	Treated PET, polyimide, PC, and coated papers	Excellent conductivity, low surface roughness
HPR-059	Carbon black (0.2 micron)	10	Aqueous	100 - >250	0.7 to 0.9	Paper, plastics, glass, metal	Resistive ink with good adhesion
CP-007	Copper particles	77	Terpineol	170 - 210	~1.8E-5	Polyimide, FR4, glass, fabrics	Requires formic acid atmosphere curing
CP-008	Copper particles	88	Terpineol	140 - 260	~2.5E-5	PET, polyimide, glass	Requires formic acid atmosphere curing
CP-009	Copper particles	82	Terpineol	NA	~2.5E-5	PET, polyimide, glass	Requires PulseForge or laser processing
ICI-021	Copper oxide (0.25 micron)	65	Aqueous	NA	1.00E-04	Paper	Requires PulseForge processing
DISPENSING INKS							
HPS-FG149A	Silver flake (0.3 micron)	76	Dowanol PM	120 - >250	3.8E-5 to 1.0E-5	Paper, plastics, glass, metal	Excellent adhesion and water resistance
HPS-FG57B	Silver flake (1.5 micron)	70	Butyl carbitol	120 - >250	1.0E-5 to 2.8E-5	Paper, plastics, glass, metal	Excellent adhesion and water resistance
HPS-FG77	Silver nanoflake (0.3 micron)	85	Butyl carbitol	120 - >250	5.1E-6 to 1.8E-5	Paper, plastics, glass, metal	High loading, fine line printing, dispensable
SPRAY INKS							
PSPI-0250	Silver nanoparticles	40	Aqueous	≥ 100	9E-6 to 1.1E-5	PET, polyimide, PC, polyurethane	High electrical conductivity
PSPI-1000	Silver nanoparticles	40	Aqueous	≥ 70	1.2E-5 to 1.4E-5	PET, polyimide, PC, polyurethane, ABS	Very good adhesion, hard coatings, salt spray resistance
SPI-508	Silver nanoparticles	50	Aqueous	≥ 70	7E-6 to 9E-6	PET, polyimide, PC, polyurethane	High electrical conductivity, suitable for use in a copper bath plating environment

