

DIGITAL TECHNOLOGY PROCESSES

Process	Other Name	Date	Medium	Surface	Inscriptions	Formats/Printers	Image Quality	Applications
Analog Photo	C-print	1940-date	Color RC, B&W RC, B&W on fiber	Matte-Gloss	Manufacturer or brand on verso	Variety	Continuous tone, Clouds of dye	Fine art, Photography
Halftone	Photo engraving	1881	Oil Base Offset			Heidelberg Offset		
Light to Silver Halide	Lambda print, Lambda Chrome, Laserchrome		RC paper with gelatin emulsion	Glossy	Kodak Professional Digital Paper	Durst Lambda 76, Noritsu Qss-2711	Photo quality	Proofing, Face mounting
Direct Thermal	3M Thermofax	1950	Coated paper roll	Med gloss	Rolls		Black on white	Conventional fax
Direct Thermal Transfer	Thermal wax transfer, Thermal transfer, Thermal fusion	1983	Uncoated paper, Clay filled, Bond or coated w/ wax ribbon	Glossy, easily scratches	Micro Dry Printer	Seiko ColorPoint1835PS, Alps Microdry (1997)		Fax machines, Advertising fliers
Thermal Transfer	Dye Diffusion, Dye Sublimation, Thermal Dye Transfer	1986-date	RC paper with special coatings	Glossy	Kodak Electronic Imaging Paper, Dye Sublimation Paper	Kodak 8500, Sony, Mitsubishi, Agfa, Noritsu, Fuji Minilabs	Continuous tone, Photo quality	Photo studios, Retail stores, Proofing
		1994	UV and fingerprint coatings added	Very glossy				
Electrophotographic Black Toner	B&W Laser printers, Xerography, Laser print or copy, Photocopiers	1960	Uncoated bond	Gloss	none	HP LaserJet 5MP, Xerox Regal,	Dots like offset, toner dusted on	B&W Desktop, Fax machines, Photocopiers
Electrophotographic Color Toner	Xerox		Coated			Xerox Docucolor, HP Laserjet,		
Electrostatic Color Toner	Color laser copy (CLC)	1960	Uncoated bond, Clay filled	Slight gloss	none	Canon CLC Laser, IBM, Brother	Consecutive color application	Color Laser Printers/Copiers
Electrophotographic Liquid	Digital Offset Press	1977	numerous			HP Indigo, MAN-Roland, Heidelberg Dig Press	Photo quality	Commercial & Packaging
Thermal Inkjet	DOD Inkjet, Bubblejet	HP 1984	Liquid ink dyes looks like silver halide, Coated, Uncoated	Matte-Gloss	HP Invent	HP, Canon, Lexmark	Photo quality	Desktop, Photography, Graphics
Piezo Inkjet	Micro-piezo, piezoelectric	Epson 1984	Coated Photo Gloss, Uncoated	Matte-Gloss	Epson Photo Paper	Epson Stylus, Mimaki, Roland, Mutoh	Photo quality	
Wide Format Printers 17"-100"	Piezoelectric		Coated paper, Banner cloth, Vinyl, Canvas, Film	Matte, Gloss, Laminate	Rolls	Epson, Canon, Kodak, HP Designjet	Lower resolution, Wide dot spread	Large indoor & outdoor graphics, fine art
Continuous Flow Inkjet	IRIS, giclee	1987-2000	Liquid dye, fine art papers	Fibrous		Iris, Scitex, Kodak Versamark		Prepress proofs, Fine art
Phase Change Inkjet	Solid ink, Heat-melt Inkjet	1991	Synthetic wax w/dye on any uncoated	Gloss, slight relief		Xerox Phaser Series, Tektronix 350, Xerox 8500	Sharp edges, brilliant	
Solvent Inkjet	Piezo, Eco-solvent	2003	Commercial Paper, Banner cloth, Vinyl, Canvas, Film	Heat sensitive, scuffs		Roland VersaCMM, Epson GS6000, Epson SureColor SC-S30670	Photo quality	Exterior signage
UV-Curable Inkjet	Piezo	2004	Glass, Acrylic, Corrugated board, Foam, Polycarbonate, Composite			Agfa, Durst, HP Scitex, Mimaki, Mutoh	Photo quality	Exterior signage
Latex Inkjet	Thermal Inkjet Wide format pigment	2008	Vinyl, Tyvek, all solvent media	scratches		HP L26500, Scitex LX6001, LX800, Mimaki JV400-LX	Photo quality	Soft signage