

DIGITAL TECHNOLOGY PROCESSES

Reference chart of common processes, common name, substrate, finish, and applications.

For general reference only!

Process	Other Name	Date	Medium	Surface	Inscriptions	Formats/Printers	Image Quality	Applications
Analog Photo	C-print	1940-date	Color on RC, B&W on RC, B&W on fiber	Matte- Gloss	Manufacturer or brand on verso	Variety	Continuous tone, Clouds of dye	Fine art, Photography
Halftone			Oil Base Offset			Heidelberg Digital 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
Thermal Transfer	Dye Diffusion, Dye Sublimation, Thermal Dye Transfer	1986- date	RC paper with special coatings	Glossy	Kodak Electronic Imaging Paper, Dye Sublimation Paper		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
Color Toner	Xerox		Coated			Xerox Docucolor		
Electrostatic Colored Toner	Color laser copy (CLC)	1960	Uncoated bond, Clay filled	Slight gloss	none	Canon CLC Laser	Consecutive color application	Color Laser printers and Copiers
Thermal Inkjet	DOD Inkjet	HP 1984	Liquid ink dyes looks like silver halide, Coated, Uncoated	Matte- Gloss	HP Invent	Hewlett Packard	1440dpi	Desktop, Photography, Graphics
Piezo Inkjet	DOD Inkjet		Coated Photo Gloss, Uncoated		Epson Photo Paper	Epson Stylus PhotoEx		
Large Format Inkjet	Piezoelectric		Liquid dye/pigment Canvas, RC paper, Banner cloth, Film	Matte, Gloss, Laminate			Low resolution, Wide dot spread,	Large indoor and outdoor ads, fine art
Continuous Inkjet	IRIS, giclee	1987- 2000	Liquid dye, fine art papers	Fibrous				Fine art
Phase Change Inkjet	Solid ink, Heat-melt Inkjet	1991	Synthetic wax w/dye on any uncoated	Gloss, slight relief		Tektronix Phaser III, Tektronix 350	Sharp edges, brilliant	
Direct Thermal	3M Thermofax	1950	Coated paper roll	Medium gloss		Rolls	Black on white	Conventional fax, register receipts
Direct Thermal Transfer	Thermal wax transfer, Thermal transfer, Thermal fusion	1983	Uncoated paper, Clay filled, Bond or coated with wax ribbon	Glossy, easily scratches	Micro Dry Printer	Seiko ColorPoint1835PS, Alps Microdry (1997)		Fax machines, Advertising fliers
Fuji Pictography		1993	RC paper with coatings	Gloss, scratches	Fujifilm Pictro Paper	Pictography 3000	Photo quality	Proofs, Photo prints

Information excerpted from "Digital Print Identification Website and Process Database"

Identification of Digital Prints <http://aic.stanford.edu/sq/emq/juergens/homepage.htm> site last updated 25 May 2004

Website states "out of date and may not be accurate"