DIGITAL TEMPERATURE TEST RESULTS

Yes indicates the digital will tolerate heat at that temperature/time for dry mounting. **No** indicates the result is visually damaged and should not be mounted at that temperature. A **50/50** indication means the visual result is not perfect but might be acceptable for limited projects. Generally, a 50/50 should be thought of as a no. Specific problems are noted.

Printer	**Type**	1 minute @ 150°F	170°F	185°F	200°F	225°F laminate
Minolta CF900	Magnetic roller, dry pigment toner	yes	no	no	no	no
Xerox 2135	Color single pass LED	yes	no	no	no	50/50
Xerox 2006	Single pass LED	yes	yes	50/50 light colors only	50/50	50/50
Canon 360PS	Electrophotography, dry toner	yes	50/50	50/50 light colors only	50/50	no ink clots
Scitex Spontane	Electrostatic toner copier	yes	no	no	no	no ink clots
Kodak ColorEdge	Electrostatic toner copier	yes	no	no	no	no ink clots
IBM 3170	Single pass LED	yes	no	no	no	no
Xerox N Series	Black and White Laser	yes	yes	yes	yes	yes
HPdeskjet 960c	Inkjet on paper	yes	yes	yes	yes	yes
HPdeskjet 960c	Inkjet on photograph paper	no	no	no	no	no
Kodak Digital Printer	Thermal transfer aka: Dye sublimation, dye diffusion, dye transfer	yes	yes	yes	yes	yes
Tektronix Phaser 140	Liquid inkjet	yes	yes	yes	yes	yes
Tektronix Phaser 240	Thermal transfer on film	yes	no melted	no	no	no
Tektronix Phaser 340	Phase change, solid ink	yes	no melted	no	no	no
Tektronix Phaser 440	Thermal transfer, dye sublimation	yes	50/50 transfers to release paper	no	no	no
Tektronix Phaser 550	Color laser	yes	yes	50/50	no	no
Tektronix Phaser 750	Color laser	yes	no	no	no	no
Tektronix Phaser 790	Color laser	yes	yes	50/50	50/50	yes
Tektronix Phaser 860	Phase change, solid ink	yes	transfers to release paper, soaks through image			yes
DocuColor Phaser 2006	Color laser	yes	yes	no	no	yes
Digital Painter	Inkjet on Canvas	yes	yes	yes	yes	N/A

Results show that when dry mounted at the lowest temperature of 150°F all but one of the digitals were undamaged and acceptable for mounting. The only image damaged at that low temperature was the inkjet HPdeskjet 960c on photo paper. It showed major gloss damage which is beyond the range of tolerable surface damage.

Heat Tolerance Test: Part Two using digital photos will further research these types of bubblejet images on assorted digital and inkjet photo papers.