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HCL Lab Services

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Large Format Digital Laser Print Services

LightJet 430 General Information



The astounding quality of LightJet 430 printing allows results which more closely resemble a projected slide than an ink jet or analog print. Visually impressive, these prints display an apparent resolution of 4,000 dpi due to the lack of any presence of so-called "dot" patterns. Working in a 36-bit output color space (each 8-bit input channel is interpolated to 12 bits to produce the 36-bit output color space). With this resolution the LightJet 430 offers our clients smoother gradients and increased highlight and shadow detail. Phenomenal control of color accuracy, saturation and contrast can be archived while maximizing image clarity and archival life.

The LightJet 430 can print "any" size print up to 50"x120". Due to the larger internal drum used in the LightJet 430 large format images can be printed without the need for blending or stitching.

These popular file types can be printed on the LightJet 430: TIFF (.tif), JPEG (.jpg), PDF (.pdf), PSD (.psd), EPS (.eps), and Grayscaled files. The ultimate quality of your LightJet 430 reprint is determined by the quality of the file used to make the print.

LightJet 430 reprints...

Reprint orders are produced from "master print files" stored in our file archives, digital camera files and other digital image files produced from scans of films and flat art. LightJet 430 reprints are available on a wide variety of photographic media including, Fuji Crystal Archive Professional Photographic Papers in [Lustre](#), [Matte](#), [Glossy](#), Super High Gloss [Pearl](#), and [Fujitrans](#) (backlit, translites) surfaces. For those looking for a unique look in their reflective prints we also offer reprints produced on Kodak's Endura [Metallic](#) Professional Photographic paper which has a high gloss "metallic" appearance.

LightJet 430 master prints...

We also offer "[Master Print](#)" services for photographers who require the ultimate in print quality and consistency when producing on demand limited edition prints. Please contact the lab to set up a meeting with one of our custom printers.

What kind of file works best?..

An 8 bit TIFF or JPEG saved at the desired print size with resolution that falls within the range of 150-300 dpi. Saving your file in the RGB mode with sRGB as the embedded icc profile is ideal for continuous tone images like scenery, portraits, weddings, and most general photography.

Files in the CMYK mode can also be printed and is the preferred mode when Pantone colors need to be matched.

File Attributes...

Generally speaking you should not save files for LightJet output with attributes like Alpha channels, guides, or layers left intact. Please remove all guides, alpha channels, and flatten your image unless you have been specifically asked not to do so.

The file interpolation routines employed by the LightJet 430 ensure that prints of acceptable quality "for most purposes" can be made from image files with less than optimal resolution (dpi). Ask us to evaluate your file if there are any doubts as to its capability to produce a quality print at the print size you desire.

Rule of thumb...

Carefully crafted files having resolution of 200 dpi or more at the desired print size will produce photographic prints that should satisfy even hard-to-please photographers and artists. There is never any need for more than 300 dpi of resolution at the desired print size when the output device is the LightJet 430.

Reprints - LightJet 430 / Lustre, Matte, & Glossy



LightJet 430 reprints available on Fuji Crystal Archive Professional Photographic Papers in Lustre, Matte, & Glossy surfaces. Reprint orders are produced from "master print files" stored in our file archives, digital camera files and other digital image files produced from scans of films and flat art.

Files are printed "as is". Minor "global" corrections for overall color balance, density, and contrast are available on your request.

If you require extensive corrections, matching to existing guides, or when a particular "look" or "feel" must be achieved in a fine art print, please contact the lab about working with a custom printer and having a "[master print](#)" made.

Prices are for Lustre, Matte, & Glossy - Reprints

Print Size	Quantity Per Digital Image File (Need more?..Contact the lab)						
	1	2	3	6	12	25	50
8x10	12.15	11.55	9.75	9.15	7.90	6.65	5.50
8½x11	12.15	11.55	9.75	9.15	7.90	6.65	5.50
11x14	15.45	14.70	12.40	12.05	10.05	8.50	7.00
16x20	28.15	26.80	22.55	20.95	18.53	15.45	12.75
20x20	35.30	33.55	28.25	26.50	22.95	19.45	16.30
20x24	42.50	40.40	34.00	31.90	27.60	23.45	19.15
24x24	50.75	48.20	40.60	38.05	33.00	27.95	22.85
20x30	52.65	50.30	42.40	39.70	34.40	29.15	23.85
24x30	63.45	60.25	48.55	47.40	41.25	34.90	28.70
24x36	76.00	72.25	60.90	57.00	49.45	41.85	34.25
30x30	79.40	72.45	63.55	59.55	51.60	43.70	35.75
30x40	105.85	100.60	84.70	79.40	68.85	58.25	47.70
40x40	141.15	134.10	112.95	105.85	91.80	77.65	63.55
40x50	176.40	167.60	141.15	132.30	114.70	97.05	79.40
40x60	191.85	182.30	153.55	143.90	124.60	105.55	86.40
40x72	214.50	203.70	171.60	161.00	139.50	118.00	96.50
48x48	171.50	162.90	137.60	128.75	111.35	94.30	77.20
48x60	214.90	203.70	171.60	161.00	140.60	118.00	96.50
48x72	256.90	243.65	205.55	192.95	167.00	141.15	115.60
48x84	299.90	285.00	239.95	224.95	195.00	168.00	135.00
48x96	342.90	325.85	274.35	256.90	222.90	188.55	154.35
48x108	385.90	366.60	308.70	290.00	250.85	212.25	173.70
48x120	424.65	403.25	339.60	318.65	275.65	233.50	191.35

LightJet 430 turnaround - 3 working days (2 working days for Studiomaster Pro users) - Need it faster?...RUSH service is available and RUSH charges will be applied (24 hour turnaround is +100%, 48 hour turnaround is +50%). Prices do not include film processing or scans.



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Reprints - LightJet 430 / Kodak Metallic



LightJet Metallic reprint orders are produced from "master print files" stored in our file archives, digital camera files and other digital image files. The ultimate quality of LightJet 430 reprints is determined by the quality of the file used to make the print.

Files are printed "as is". Minor "global" corrections for overall color balance, density, and contrast are available on your request.

If you require extensive corrections, matching to existing guides, or when a particular "look" or "feel" must be achieved in a fine art print, please contact the lab about working with a custom printer and having a "master print" made.

Prices are for Kodak Metallic - Reprints

Print Size	Quantity Per Digital Image File (Need more?..Contact the lab)						
	1	2	3	6	12	25	50
8x10	13.35	12.70	10.00	9.75	8.75	7.30	6.05
8½x11	13.35	12.70	10.00	9.75	8.75	7.30	6.05
11x14	17.00	16.20	13.60	12.80	11.00	9.35	7.70
16x20	30.95	29.50	24.80	23.00	20.20	17.00	14.00
20x20	41.75	38.85	31.10	29.15	25.25	21.40	17.50
20x24	46.75	44.45	37.40	35.10	30.35	25.75	21.00
24x24	55.80	53.00	44.65	41.85	36.30	30.75	25.10
20x30	58.25	55.35	46.60	43.70	37.85	32.10	26.20
24x30	69.80	66.25	55.80	52.20	45.40	38.35	31.60
24x36	83.70	79.45	66.95	62.80	54.40	46.05	37.70
30x30	87.40	82.95	69.90	65.55	58.95	48.05	36.50
30x40	116.45	110.65	93.15	87.40	75.70	64.05	52.40
40x40	155.25	147.50	124.25	116.45	100.95	85.45	69.85
40x50	194.05	184.40	155.25	145.55	126.20	106.75	87.40
40x60	211.05	200.45	168.85	158.30	137.10	116.10	95.00
40x72	235.90	224.10	188.75	177.10	153.40	129.80	106.20
48x48	188.60	179.20	151.35	141.60	122.50	103.70	84.90
48x60	235.90	224.10	188.75	177.10	153.40	129.80	106.15
48x72	282.55	268.00	226.10	212.25	183.75	155.25	127.15
48x84	329.95	313.55	263.95	247.40	214.45	185.95	148.50
48x96	377.15	358.40	301.95	282.60	245.20	207.40	169.80
48x108	424.50	403.25	339.60	319.00	275.95	233.50	191.05
48x120	466.95	443.60	373.55	350.50	303.20	256.85	210.45

LightJet 430 turnaround - 3 working days (2 working days for Studiomaster Pro users) - Need it faster?...RUSH service is available and RUSH charges will be applied (24 hour turnaround is +100%, 48 hour turnaround is +50%). Prices do not include film processing or scans.



Reprints - LightJet 430 / Backlit (Translites)



LightJet 430 reprints available on Fuji Crystal Archive Professional Photographic Backlit (Translites) media. Reprint orders are produced from "master print files" stored in our file archives, digital camera files and other digital image files produced from scans of films and flat art.

Files are printed "as is". Minor "global" corrections for overall color balance, density, and contrast are available on your request.

If you require extensive corrections, matching to existing guides, or when a particular "look" or "feel" must be achieved in a fine art print, please contact the lab about working with a custom printer and having a ["master print"](#) made.

Prices are for backlit (Translites) reprints

Print Size	Quantity Per Digital Image File (Need more?..Contact the lab)						
	1st Print	2	3	6	12	25	50
8x10	17.00	16.20	13.60	12.75	11.05	9.30	7.70
8½x11	17.00	16.20	13.60	12.75	11.05	9.30	7.70
11x14	21.65	20.55	17.35	16.25	14.10	11.95	9.60
16x20	39.40	37.45	31.50	29.35	25.65	21.65	17.75
20x20	49.35	46.95	39.55	37.10	32.15	27.20	22.30
20x24	59.45	56.50	47.60	44.40	38.60	32.80	26.75
24x24	71.05	67.50	56.80	53.30	46.15	39.10	32.00
20x30	74.35	70.40	59.30	55.60	48.20	40.75	33.35
24x30	88.80	84.35	71.05	66.45	57.75	48.80	40.20
24x36	103.25	101.15	85.20	79.90	69.25	58.60	47.95
30x30	111.15	105.60	88.95	83.40	72.25	61.20	50.05
30x40	148.20	140.80	118.55	111.15	96.35	81.55	66.70
40x40	197.65	187.70	158.10	148.20	128.45	108.70	88.95
40x50	247.00	234.65	197.65	185.25	160.55	136.00	111.15
40x60	268.60	255.15	214.90	201.45	174.45	147.75	120.85
40x72	300.25	285.20	240.20	225.40	195.25	165.20	135.10
48x48	240.05	228.10	192.75	180.25	155.95	134.10	108.00
48x60	300.25	285.20	240.20	225.40	195.25	165.20	135.10
48x72	359.70	341.15	287.70	270.15	233.85	197.65	161.85
48x84	420.95	399.00	335.90	314.90	272.90	236.65	188.95
48x96	480.10	456.15	384.05	359.70	312.10	264.00	216.10
48x108	540.25	513.25	432.20	402.70	351.20	297.15	243.15
48x120	594.25	564.55	475.45	446.10	385.90	326.90	267.80

LightJet 430 turnaround - 3 working days (2 working days for Studiomaster Pro users) - Need it faster?...RUSH service is available and RUSH charges will be applied (24 hour turnaround is +100%, 48 hour turnaround is +50%). Prices do not include film processing or scans.



LightJet 430 Master Print Info & Pricing



A master print is always the right choice when your artistic intentions are the ultimate goal. Master prints are ideal for photographers when creating artist proofs for on demand limited edition print production. Anytime a particular "look and feel" must be achieved in a photographic print, or when matching an existing guide, a master print will ensure that your production reprints look exactly the way you want them to.

Our master print prices include everything needed to create the highest quality archival photographic prints from your original films and digital image files. You only pay master print prices one time. After approving your master proof print the master print is made and the file is archived for future reprints (see LightJet reprint prices above).

Master print prices include the following:

- High resolution scan of original films and flat art that can be scanned (maximum size for our scanner is 11x17).
- Editing in Photoshop includes cleanup of minor film defects and dust spotting
- Custom ICC printer profiles
- File stored in our file archives for future uses
- Record a copy for your files to CD-R
- Master print to your desired size (table below, custom sizes available)
- Archiving your master print file for future reprints

Master Proof Prints...

Working one on one with a custom printer will ensure that your final master print will meet or exceed your every expectation. Proof prints provide a good source for reference and allow you to have more meaningful critiques and discussions concerning your vision of what you want the image to be with your custom printer. See our prices for [Master proof prints](#).

Proof printing is not a requirement but it is a highly recommended process. Some photographers will elect to handle their own image edits without input from one of our custom printers. If you require test prints of files created and edited on your own please refer to our LightJet reprint prices above.

Reprints...

Once the proofing process has produced a print that meets your artistic requirements the master print will be made to the size you ordered (table below) and the file archived for future reprints. Future reprints will be consistently the same quality as the master print...from order to order. Reprints are produced on the same printer used to produce your master proofs and your master print, our LightJet 430 digital laser printer. These fine art photographic prints are of the highest collectible quality - suitable for museum and gallery display.

Master Print Size	LightJet Output Lustre, Matte, Glossy	LightJet Output Metallic or Pearl
8x10	57.75	63.00
11x14	73.50	84.00
16x20	105.00	115.50
16x24	126.00	136.50
20x24	157.50	173.25
20x30	199.50	215.25
24x30	236.25	257.25
24x36	252.00	278.25
30x40	294.00	325.50
30x50	330.75	367.50

Master print turnaround: 10 working days - Need it faster?...RUSH service is available and RUSH charges will be applied. Plan ahead!.. Our work load may dictate longer turnaround times.

LightJet 430 Master Proof Print Pricing



About master proof prints...

Proof prints are an essential step in the production of your master print. Master proof prints provide you with the opportunity to see your image printed on the media you have chosen. As a visual tool the proof print presents your image to you in a more "real world" way than can be done with a computer monitor. Proof prints eliminate any second guessing. Working one on one with your custom printer, the proof print will initiate a creative discourse that will ensure your master print will meet or exceed your every expectation.

Once the proofing process has produced a print that meets your requirements, your master print is made and the master print file is archived for future reprints (reprint prices listed above).

The proofing process is not a requirement but it should be seriously considered if perfection is your goal. Some photographers will elect to handle their own image edits without input from a custom printer. If you require test prints of files you have created and edited please refer our LightJet reprint prices above.

Master Proof Size	LightJet Output Lustre, Matte, Glossy	LightJet Output Metallic
8x10	9.15	9.75
11x14	11.60	12.75
16x20	20.95	23.00
20x24	31.90	35.00
20x30	39.70	43.70

LightJet 430 master proof prints are part of the "master print" process and are completed only when you are completely satisfied with the results.



Large Format Ink Jet Printing Services

Ink Jet Printing Information



One of the world's most desirable ink jet printers...Aimed directly at producing superior photographic prints and reproductions of fine art our 44" wide EPSON Stylus® Pro 9600 was designed in collaboration with some of the world's best-known photographers and artists. Giclée prints do not get any better than this. The Epson 9600 prints on a wide variety of substrates including surfaces that duplicate photographic mediums, artist canvas, fine art watercolor papers, films, and backlit materials.

EPSON UltraChrome™ Ink can produce color prints with a color gamut approaching today's standard dye ink technologies. And for the first time, produce great looking black and white photography capable of satisfying demanding black and white photographers.

The 9600 employs a brand new MicroPeizo DX3™ print head able to produce an astonishing resolution of 2,880 x 1,440 dpi. Designed specifically to handle seven color printing, the new print head ensures a level of photographic quality that must be seen to be believed.

We also produce graphics on our Encad 700i and HP 2000 which can produce prints up to 60" & 35" wide respectively, by 100' long. A true 600 dpi printer the Encad has been a work horse in the trade show graphics production arena, producing beautiful long lasting display prints on a wide variety of media. Our HP 2000 (600 dpi) is ideal for graphics at budget prices.

Longevity in ink jet products is quite good...Epson 9600 with Ultrachrome Ink has a good average of about 72 years without any noticeable fading or color shift. Ilford Archiva inks used in our Encad last 70-80 years.



Giclée & Fine Art Printing



One of the world's most desirable ink jet printers...Aimed directly at producing superior photographic prints and reproductions of fine art our 44" wide EPSON Stylus® Pro 9600 was designed in collaboration with some of the world's best-known photographers and artists. Giclée prints do not get any better than this.

Print Size	Giclée - 1st print price Sunset Hotpress Rag (310gr) Sunset Cotton Etching (285gr)	Fine Art - 1st print price Satin Canvas (20mil)
11x14	22.65	25.90
16x20	47.05	53.80
16x24	56.45	64.55
20x24	70.60	80.65
20x30	88.20	100.80
24x30	105.85	121.00
24x36	127.00	145.15
30x40	176.40	201.60
30x50	220.50	252.00

Fine Art Ink Jet turnaround - 3 working days - Need it faster?...RUSH service is available and RUSH charges will be applied (24 hour turnaround is +100%, 48 hour turnaround is +50%). Prices do not include film processing or scans.

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Giclée & Fine Art Printing - Square Inch Pricing

Media Type	1st Print Per sq. in.	2-12 Per sq. in.	13-25 Per sq. in.	26 or More Per sq. in.
Sunset Hotpress Rag (310gr)	.15/in2	.11/in2	.10/in2	.90/in2
Sunset Cotton Etching (285gr)	.15/in2	.11/in2	.10/in2	.90/in2
Satin Canvas (20 mil)	.17/in2	.11/in2	.10/in2	.90/in2

Minimum print size = 144 sq. in.
Artist approval test prints receive a 25% discount

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Reprints - Inkjet Prints - Reprints



One of the world's most desirable ink jet printers...Aimed directly at producing superior photographic prints and reproductions of fine art our 44" wide EPSON Stylus® Pro 9600 was designed in collaboration with some of the world's best-known photographers and artists. Ink Jet prints do not get any better than this. The Epson 9600 prints on a wide variety of substrates including surfaces that duplicate photographic mediums, artist canvas, fine art watercolor papers, films, and backlit materials.

Inkjet Reprints - Lustre & Glossy Photo Paper

Print Size	1st Print	2-12	13-25	26 or more
8x10	15.15	13.60	12.10	10.60
8x12	15.15	13.60	12.10	10.60
11x14	16.20	14.55	12.95	11.35
16x20	33.60	30.25	26.90	23.55
16x24	40.35	36.30	32.25	28.25
20x24	50.40	45.40	40.00	35.30
20x30	63.00	56.70	50.40	44.10
24x30	75.60	68.05	60.50	52.92
30x40	126.00	113.40	100.80	88.20

Inkjet Reprints - White Film

Print Size	1st Print	2-12	13-25	26 or more
8x10	16.65	15.15	13.60	12.10
8x12	16.65	15.15	13.60	12.10
11x14	17.80	16.20	14.55	12.95
16x20	36.95	33.60	30.25	26.90
16x24	44.35	40.35	36.30	32.25
20x24	55.45	50.40	45.40	40.35
20x30	69.30	63.00	56.70	50.40
24x30	83.20	75.60	68.05	57.60
30x40	138.60	126.00	113.40	100.80

Inkjet Reprints - Vinyl Banner

Print Size	1st Print	2-12	13-25	26 or more
8x10	10.00	8.32	7.56	6.80
8x12	10.00	8.32	7.56	6.80
11x14	10.70	8.90	8.10	7.30
16x20	22.20	18.50	16.80	15.15
16x24	26.60	22.20	20.20	18.15
20x24	33.30	27.75	25.20	22.70
20x30	41.60	34.65	31.50	28.35
24x30	49.90	41.60	37.80	34.05
30x40	83.20	69.30	63.00	56.70

Inkjet Reprints - Backlit Film (Translites)

Print Size	1st Print	2-12	13-25	26 or more
8x10	17.28	15.84	14.40	12.96
8x12	18.15	16.65	15.15	13.60
11x14	19.40	17.80	16.20	14.55
16x20	40.32	37.00	33.60	30.25
16x24	48.40	44.35	40.35	36.30
20x24	60.48	55.45	50.40	45.40
20x30	75.60	69.30	63.00	54.00
24x30	90.75	83.20	75.60	68.05
30x40	151.20	138.60	126.00	113.40

Minimum order = 144 sq. in.

Don't see the size you need?..Use our square inch pricing below to figure the cost of a custom sized image.


Inkjet Reprints - Per Square Inch Pricing				
Media Type	1st Print Per sq. in.	2-12 Per sq. in.	13-25 Per sq. in.	26 or more Per sq. in.
Lustre Photo Paper	.11/in2	.095/in2	.085/in2	.075/in2
Glossy Photo Paper	.11/in2	.095/in2	.085/in2	.075/in2
White Film	.12/in2	.11/in2	.095/in2	.085/in2
Vinyl Banner	.069/in2	.060/in2	.055/in2	.050/in2
Backlit Film	.13/in2	.12/in2	.11/in2	.095/in2

Minimum print order = 144 sq. in.



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Trade Show Display Solutions



[Get noticed on the showroom floor!](#)


As a Nimlok dealership Hamilton Color Lab offers you complete solutions for trade show graphics and display systems. When you work with Hamilton Color Lab and Nimlok you can be assured that you'll get fresh total solutions for your trade show graphics and display needs. No matter what your display or exhibit needs are, Nimlok has the perfect solution. Get the stunning look and high impact of a custom design with the cost savings only a Nimlok solution can provide. As a Nimlok solution partner HCL will work with you step by step to design a unique, custom solution which will satisfy your objectives and get you noticed on the show floor.



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Frontier Printing Services & Pricing

Studiomaster Pro



Complete photo management for the portrait and wedding photographer!

Shoot, view & edit, order prints...
Maintain complete creative control. Digital editing, user friendly interface, electronic order layout, and easy lab ordering.

- **Workflow Management**
More functions and easier to use to enhance your productivity.
- **Improve Productivity**
Spend less time setting up your digital files for lab production.
- **Expanded Album Order Function**
Increased flexibility for album choices including design, color, lining and template pages...On screen album assembly and display...Multi-images printed on one piece of paper to fit precisely within a pre-selected album page template. No more cutting and pasting!
- **Save Time and Increase Profits**
Greater efficiency means greater profitability.
- **Hi Resolution Files**
Work with original Hi Res files, a significant advantage over other studio software products.

Please contact the lab for details and software.



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Frontier Digital Laser Proof Prints

Our Frontier system is compatible with color negatives, reversal film, and monochrome film, as well as digital media, including the xD-Picture Card, SmartMedia™, CompactFlash™, SD cards, and Memory Stick®.

Our machine prints are the finest quality to be found. Color or black and white proofs are available from negatives or digital files, and are printed on Fuji Crystal Archive photo papers in either Glossy or Lustre surfaces. Proof prints are not available from slides or transparencies.

Negative (uncut rolls only)	1st proof	Additional proofs (same image)
3½x5, 4x5, 4x6, 5x5	.55	.40
5x7	1.45	1.05
8x10	2.80	2.20
8x12	3.00	2.50
Proof Prints From Digital Image files		
3½x5, 4x5, 4x6, 5x5	.45	.40

Proof prints turnaround - same day service - In by 10:00 a.m. out by 5:00 p.m.



Frontier Digital Laser Reprints



Color, and black & white reprints can be printed directly from your original negatives, slides, medium format transparencies up to 6x9, or your digital image files. Reprints are available on Fuji Crystal Archive photo papers (Lustre, Matte and Glossy) and include dust spotting when prints are made from negatives. For a unique look we also offer reprints on Kodaks' popular Endura Metallic surface. Reprints are video analyzed and corrected for color and overall density. On your request we will dust spot your files.

Prints From Film

Print Size	1st Print (from negatives)	Additional Prints (same negative)	Prints From Slides	Additional Prints (same image)
3½x5, 4x5, 4x6, 5x5	1.70	1.15	2.75	2.20
5x7	3.30	2.40	4.35	3.50
8x10	5.50	4.40	6.50	5.50
8x12 or 10x10	5.80	4.60	6.90	5.75
10x15	7.20	5.50	8.25	6.60
Wallets (8 per sheet)	3.90	1.70	4.95	2.75
Wallets (4 per sheet)	2.80	N/A	3.85	N/A

Prints From Digital Image Files

Print Size	1st Print (from digital)	Additional Prints (same file)	No Option	No Option
3½x5, 4x5, 4x6, 5x5	1.10	1.00	N/A	N/A
5x7	2.50	2.20	N/A	N/A
8x10	4.40	3.30	N/A	N/A
8x12 or 10x10	4.75	3.60	N/A	N/A
10x15	6.10	4.70	N/A	N/A
Wallets (8 per sheet)	2.80	1.70	N/A	N/A
Wallets (4 per sheet)	1.50	N/A	N/A	N/A

Reprints turnaround - 3 days (Studiomaster Pro orders - 2 days) - Type setting for wallet photos (names, graduation year, etc., is \$1.25 per file) - Need it faster?...RUSH service is available and RUSH charges will be applied.

Photo Greeting Cards: Minimum order is 25 cards, boxed with envelopes and including type setting = \$21.00
Additional cards = \$.75 each.

Visit our [web site](#) to download the greeting cards templates.



Frontier Digital Laser Quantity Prints



Color, and black & white machine prints/re-prints can be printed directly from your original negatives, slides and transparencies, or your digital image files. All machine prints are made on Fuji Crystal Archive photo papers and include dust spotting when prints are made from negatives. Machine prints and re-prints are video analyzed and corrected for color and overall density. On your request we will dust spot your files.

Print Size	Quantity per image					
	12	25	50	100	150	1000
Prints From Negatives						
3½x5, 4x5, 4x6, 5x5	.85	.75	.65	.55	.45	.40
5x7	1.40	1.25	1.10	.85	.65	.60
8x10	2.50	1.95	1.55	1.45	1.10	1.00
8x12 of 10x10	2.60	2.05	1.70	1.55	1.20	1.10
10x15	4.40	3.90	3.30	3.05	2.20	1.70
Prints From Digital Image Files						
3½x5, 4x5, 4x6, 5x5	.75	.65	.55	.50	.35	.30
5x7	1.20	1.10	1.00	.85	.65	.55
8x10	2.20	1.85	1.40	1.25	1.05	1.00
8x12 or 10x10	2.30	1.95	1.60	1.50	1.20	1.10
10x15	3.90	3.30	3.05	2.80	1.95	1.70
Frontier quantity prints turnaround - 3 working days (2 working days for Studiomaster Pro users) - Need it faster?...RUSH service is available and RUSH charges will be applied (24 hour turnaround is +100%, 48 hour turnaround is +50%). Prices do not include film processing or scans.						



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Digital Imaging Services

High Res Scanning Information



Scitex's revolutionary technology includes scanning optics with motion along both the x and y axes, enabling accurate positioning of the scanner head directly below the center of each original, regardless of where it is placed in the scanning area. This technology assures uniform sharpness and high resolution anywhere on the scanner bed.

At HCL each scan is carefully produced to ensure the highest quality possible for the file size being created. From low res "web scans" to our top-of-the-line high resolution scans, we strive to reproduce all the detail present in your original film or flat art.

Scan to your specifications or let us optimize the scan for digital laser output on our LightJet 430 or ink jet output on our Epson 9600. "High resolution" scans include: color correction, guide matching, balancing density and contrast, dust spotting, and removal of film defects and scratches.

INPUT Types of originals: Reflective, transparency, negative, positive, color, B&W line art, and printed material.

Original Sizes Accepted: Transparencies and Reflective prints: up to 11 x 17 in.

Scanning tips:

If your largest print will be a 10x15 for printing on Frontier Digital Laser printer, then you should scan at 300 dpi as the Frontier system is more resolution dependent than the LightJet 430 is with it's interpolation capabilities.

150 dpi will produce completely acceptable prints for most uses when printing on the LightJet 430. If you need to produce prints of fine art quality for output on our LightJet 430 or our Epson 9600 then you should scan at a minimum of 200 dpi or more. There is really no need or advantage to scanning higher than 300 dpi at your ultimate print output size.

Scan resolution and print sizes:

The table below gives you an idea of how scans done at different resolutions (dpi) compare to various print sizes. We recommend you "scan once for many uses".


Reducing an image file to produce smaller print dimensions (ie., a 16x20 image file scaled down to an 8x10) is never a problem in regards to resolution as resolution (dpi) actually increases with a decrease in image dimensions. However, scaling an image to larger dimensions (ie., an 8x10 image file being scaled up to 16x20) will result in a reduction in resolution.

Your scan size should be based on the largest output size you would ever need. This practice eliminates the need to scale up to your largest print size and you probably would never need to have another scan made of the same image.


Scan Res (dpi)	8x10	10x15	11x14	16x20	20x24	24x30	30x40	36x48
150 dpi = In MB	5	10	10	21	31	45	77	111
200 dpi = In MB	9	17	18	37	55	82	138	198
250 dpi = In MB	14	27	28	57	86	129	215	309
300 dpi = In MB	20	39	40	82	124	185	309	445





Scitex High Res Scan Pricing

Scan Media & Info	File Sizes in Mega Bytes	Price
 <p>Available from color or black & white transparencies, negative films, and reflective art up to a maximum size of 11x17 in. High resolution Scitex scan price includes: color correction, guide matching, balancing density and contrast, dust spotting, and removal of film defects and scratches.</p>	Up to 100MB	40.00 each scan
For each additional 25MB please add \$10.00		
High res Scitex scans turnaround in: 3 working days		



High Res Slide Scans		
Scan Media & Info	File Size in Mega Bytes	Price
 <p>These automated scans produce files that are sized to 8x12 at 300 dpi. Scans are "as is" and include automated electronic cleanup via Digital Ice, which gets rid of most dust and scratches during the scanning operation. Each scan is automatically color corrected to our bulk scanner profile.</p>	<p>Approximately 26MB (suitable for up to 16x20 prints)</p>	<p>15.00 each scan</p>
<p>High res Scitex scans turnaround in: 3 working days</p>		

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Retouching Services	
	<p>Our retouching department has the latest tools, extensive experience, and the artistic talent to handle any digital retouching needs you have. From simple dust spotting to major restorations, and creative design techniques, HCL can solve just about any digital imaging problem you can come up with.</p> <p>Restoration costs are based on the amount of work that needs to be done and the type of scan that's needed for the print output. It would be a good idea to come by the lab with your original that is in need of restoration so we can provide you with an accurate quote based on the amount of work that you want to have done.</p> <p>All retouching services are billed at the rate of \$80.00 per hour with a 15 minute minimum.</p>
	
<p>Turnaround: 5 working days for restorations</p>	

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CD/DVD Recording
<p>Preserve your images for future uses...Have a copy of your scans written to CD or DVD</p>
<p>CD's 5.00 each</p>
<p>DVD's 25.00 each</p>

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Traditional Photographic Services

Laminating Information



Laminating may be the last step for your printed piece, but don't let it be an after thought. Our full line of laminates offer finishes that will help protect your printed display from moisture, dirt, scratching, fading, smudging, and UV light. Depending on the finished product you are looking to produce, you may need one or a combination of different materials to seal and protect your graphic. HCL offers 35 years of experience in the graphic arts industry assuring your work is done on time, trouble free and cost effectively.

In today's competitive marketplace, businesses that produce printed materials are relying on laminate products to give their prints a "finished" look. By increasing the lustre and durability of your printed piece, a high-quality finish adds significantly to a product's real and perceived value.

The process of laminating delivers immediate benefits to any printed piece--most notably, an attractive look and polished feel. Another benefit to this finishing process are the long-term results. With lamination, your printed materials enjoy greater durability and longevity.



Laminate Prices

Laminate Type	Price Per sq. ft.	Price Per sq. ft.	Prices Per sq. ft.
Pressure Sensitive Laminates	3 mil Matte Vinyl 4.50/sq. ft.	2 mil Gloss Dry Erase 5.50/sq. ft.	5 mil Scratch Guard 5.50/sq. ft.
Pressure Sensitive Adhesives	Archival Clear Face Mount 7.50/sq. ft.	3M 468MP Adhesive 7.50/sq. ft.	Rubber Mount Permanent 7.50/sq. ft.
Hot Encapsulated Laminates	5 mil SGD/3 mil Satin 7.50/sq. ft.	10 mil SGD/10 mil White 10.50 sq. ft.	

Turnaround: 3 working days

Fine Art Copy Transparencies

The best exposure of a bracket of three exposures made on 4x5 Fuji Astia fine grain transparency film will be scanned to produce the high res file from which Fine Art Giclée, LightJets, and Frontier prints can be printed from. The film is exposed using a top of the line 4x5 film camera and state-of-the-art studio lighting system. Transparencies include gray scale and color bars. All sizes up to 48 x 96 inches.

4x5 Transparencies / 75.00

8x10 Transparencies / 150.00



Print Mounting Information



We all know that good "presentation" has a strong effect on the perceived quality of a photograph. Although matting and framing is a great presentation approach for special prints that will hang in a home or gallery, simply mounting the print on a rigid mounting board is more appropriate for informal viewing and sharing. When you are preparing a print for exhibition or display, your goal should always be to show the print to best advantage. We use a Seal dry-mount press to mount most prints here at HCL. In dry-mounting, heat is used to fuse a mounting tissue between the print and the mounting surface. Print mounting adds stability and durability to your prints making them easy to display.

When finishing and mounting a photograph for presentation, there are several considerations to determine in the choice of materials to use and presentation strategies.

There are no hard and fast rules about mounting prints; the most suitable results will depend on individual preference, the nature of the image, the intended use, and other circumstances. There is little doubt that your image will look better, and be better protected, when it has been mounted so that it is truly flat, and the image is separated from the immediate surroundings by unobtrusive margins.



Print Mounting Prices



Protecting and preserving your print should be a goal, not an after thought. Mounting, usually the first step in the framing process is a critical step in protecting your print. Mounting requires knowledge, patience and hard work, but the results are well worth the effort.

Mount Size	1/8" Mat Board	3/16" Foam Board (100% acid free)	3/16" Natural (Brown) Gatorboard	3/16" Black Gatorboard	1/2" Natural (Brown) Gatorboard	1/2" Black Gatorboard
8x10	5.00	6.00	8.00	9.00	12.00	14.00
11x14	8.00	8.00	10.00	11.00	14.50	16.00
16x20	Not recommended	14.00	19.00	21.00	24.00	27.00
20x24	Not recommended	16.00	21.50	23.50	29.00	31.00
24x30	Not recommended	20.00	29.50	32.00	39.00	42.00
30x40	Not recommended	28.00	45.00	52.00	60.00	63.00

Turnaround: Add 1 working day to your print order. Need a custom size, or a material not listed? See below for specialty sizes and materials



Sizes larger than 30x40 or specialty materials - Square foot pricing

3/16" Archival Foam Board / 3.50 sq. ft.	3/16" Natural (Brown) Gator Board / 5.50 sq. ft.
3/16" Black Gator Board / 6.25 sq. ft.	1/2" Natural (Brown) Gator Board / 7.25 sq. ft.
1/2" Black Gator Board / 8.00 sq. ft.	1/8" Sintra / 7.75 sq. ft.
1/4" Sintra / 9.50 sq. ft.	1/8" Clear Plex / 12.00 sq. ft.
1/4" Clear Plex / 16.00 sq. ft.	1/8" Non-glare Plex / 14.50 sq. ft.
.030 Lexan / 12.50 sq. ft.	3/16" Lexan / 17.50 sq. ft.
Adhesive Backing / 6.50 sq. ft.	



Museum Wrap For Canvas Prints



When you print your image on artist canvas with the intention of framing the final piece, have it done in the "museum wrap" style. Real canvas, stretched over wooden artist stretcher bars just like an original painting. Frame your museum wrapped canvas print in any frame you would use for an original canvas painting.

Museum wrapping a favorite photo will bring out a painterly, fine-art quality in the finished framed piece. The distinctive subtle texture of canvas can add interest and intrigue to your image. Having the print stretched on canvas blurs the line between a photograph and fine art even further!

Specifications:

- Finished depth 3/4"
- Only available for canvas substrates.
- Topcoating protects image against moisture, UV damage and surface wear.

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Pricing For Wooden Stretcher Bars

Available in one inch increments from 8x10 to 40x60

Order canvas prints with at least 1.5 inches of white border on all sides of you image for stretching on wooden artist stretcher bars (ie., a 16x20 image would require a 19x23 canvas print for mounting to stretcher bars.

Mount Size	Price
8x10	34.00
10x10	37.50
11x14	40.50
16x20	46.00
20x24	56.00
24x30	69.00
30x40	89.00
40x60	125.00

Turnaround for stretcher mounting: 3 working days

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E-6 Dip 'n Dunk Film Processing



Have your original E-6 films processed at HCL with complete confidence that you are getting the highest quality film processing available. Our E-6 film processor is a state-of-the-art, dip and dunk hanger machine. It is equipped with a battery backup system, to make sure that your film is processed properly even if we experience a power failure. The main monitor on the control panel follows each hanger through the processor and keeps us informed about critical aspects of the process like first development times, exit times, process temperatures, dryer temperature, wash, air, nitrogen and recirculation information. A second monitor displays a live infrared video image of the mechanical activity and chemical burst agitation taking place in the dark section so we can visually monitor the process in real time.

In order to ensure consistent color balance, contrast, and density, our E-6 film processor is strictly monitored to guarantee adherence to established industry standards for densitometric controls. Quality is further enhanced by regular systems cleaning and comprehensive preventative maintenance.

E-6

Size	Process Only	Process & Mount
35mm 24 exp.	5.00	6.00
35mm 36 exp.	6.40	7.50
120	5.00	N/A
220	9.95	N/A
4x5	2.20	N/A
8x10	5.50	N/A

E-6 film processing turnaround - 1 day

