

Choosing a UV Flatbed Printer

SGIA has charted more than 150 UV curable inkjet flatbeds on the market from more than 25 major manufacturers. The specifications in the chart offer a baseline for comparison when shopping for equipment, to see the variation in flatbeds offered.

- **Manufacturer** is listed with the associated website
- **Model:** The list is current, but the model names change constantly.
- **Max. Print Width:** Depending on the printer's configuration, the maximum image printable is listed in inches.
- **Max. Print Length:** Depending on the printer's configuration, the maximum image printable is listed in inches.
- **Media Thickness:** This is the maximum media thickness acceptable in inches.
- **Roll Capable:** The "Y" indicates a roll option for purchase, or that the roll option comes with the unit.
- **Number of Colors:** The base number of colors is four, or five, if white is included with the model. OV stands for Orange/Violet, while OG stands for Orange/Green; "V", or varnish, is also called clear by some manufacturers. "P" is noted as primer.
- **Maximum Resolution:** This information is listed in the head travel direction first (x), media (y) direction second.
- **Y Axis Mechanics:** The majority of flatbed units use a traversing head, with the media transported in the Y direction using various mechanical strategies.
- **UV Cure Source:** Either mercury arc lamps or LED lamp heads are used.
- **Number of Heads:** This information is indicated in heads per color (where indicated), or total number.
- **Head Manufacturer**
- **Drop Size in Picoliters:** The size of the inkjet drops is indicated.
- **DEE Availability:** If a Digital Equipment Evaluation was performed by SGIA, a full report is available to members.

Delineate Your Products by Inkjet Production Methods

What type of printer does your product require for production — flatbed, flatbed-hybrid or roll-to-roll?

Not only should you think about current products you sell, but future products or niche markets you could expand into, if you had the right equipment. Some flatbed printers offer a roll option at an additional cost, while other flatbeds include roll capabilities in the purchase price. Make sure you collect pricing on all machine options.

Printer Build and Productivity

- What are the space and power requirements for the new equipment?
- Assess your required productivity levels (one shift, two shifts, 24/7).
- Is the machine built for the productivity projected?
- Is the productivity for the shift suitable at the desired print quality?

Evaluate each machine's characteristics.

- The machine's ability to handle typical materials (ease of operation)
- Maximum print width and length if printing rigid boards
- Maximum material weight/roll size
- Does the flatbed/hybrid printer use mercury vapor lamps or LED UV curing lamps?
- How long do the lamps last (hours)?
- How much are the replacement lamps?

◊ Mercury vapor lamps generally are used in faster production equipment, but need to be changed as the power output declines over time. They have high-energy requirements, and generate large amounts of heat.

◊ UV LED curing has the benefit of low heat generation, low energy consumption, good lamp longevity, and the ability to print on heat sensitive materials.

- What are the power adjustments for the curing units?
- Is there sufficient vacuum for hold down of your materials (flatbed)?

◊ Does the vacuum table require masking for sheets that are not full sized?

- Maximum material thickness accommodation for flatbed & roll-to-roll printers
- Registration method for two-sided printing (flatbed & roll to roll)

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SGIA Technical Department

Comparison Chart: UV Flatbed and Hybrid over 24"

Manufacturer	Model Name	Max. Print Width	Max. Print Length	Max. Media Thickness in inches	Roll Capable	# of Colors	Colors		Maximum Resolution X x Y	Y Axis Mechanics	UV Cure Source	Number of Heads	Heads Manufacturer	Drop Size in pico litters (PI)	DEE report available on SGIA.org
AGFA Graphics agfagraphics.com Booth #2019	Anapurna M1600	63	varies	1.75	Y	5	CMYK, Lc, Lm, W		720 x 1440	Transport Belt	UV Arc	6 cmyk 2 White	Konica-Minolta	12pl/42pl for white	
	Anapurna M2050	80	varies	1.75	Y	7	CMYK, Lc, Lm, W		720 x 1440	Transport Belt	UV Arc	6 cmyk 2 White	Konica-Minolta	12pl/42pl for white	
	Anapurna M2500	98	varies	1.75	Y	7	CMYK, Lc, Lm, white		720 x 1440	Transport Belt	UV Arc	6 cmyk 2 White	Konica-Minolta	12pl/42pl for white	
	Anapurna 2540 FB	100	60	1.75	No	7	CMYK, Lc, Lm, white		720 x 1440	Transport Belt	UV Arc	6 cmyk 2 White	Konica-Minolta	12pl/42pl for white	
	Anapurna M4f	62	varies	1.75	Y	4	CMYK		720 x 1440	Transport Belt	UV Arc	4	Konica-Minolta	14pl	
	Anapurna Mw	63	varies	1.75	Y	7	CMYK, Lc, Lm, white		720 x 1440	Transport Belt	UV Arc	6 cmyk 2 White	Konica-Minolta	14pl-42pl for white	
	Anapurna M²	63	varies	1.75	Y	6	CMYK, Lc, Lm		720 x 1440	Transport Belt	UV Arc	6	Konica-Minolta	12pl	
	Jeti 1224 UV HDC (with FTR option)	98	50	2	Y	4 + white	CMYK, white		480 x 1200	Moving Table	UV Arc	20	Ricoh Gen 4	8pl	
	Jeti 3020 Titan (with FTR option)	122	79	2	Y	5 or 6	CMYK, Lc, Lm, O & V, Varnish & W		480 x 1200	Moving Table	UV Arc	16-options to 48	Ricoh Gen 4	8pl	
	Jeti Titan S/HS	122	79	2	Y	4 to 6 + white	CMYKLcLm, white		720 x 1200	Moving Table	UV Arc	S-3, HS-6	Ricoh Gen 5	7pl	
	Jeti TitanX	122	79	2	Y	4 to 6plus white	CMYKLcLm, white		480 x 1200	Moving Table	UV Arc	48	Ricoh Gen 4	8pl	
Anderson America Corp. anderson-dpc.com	Ajet Hybrid Inkjet	65	130	2.55	Y	5 or 7	CMYK, White or CMYK, Lc, Lm, W (varnish option)		720 x 720	Transport Belt	UV Arc	5 color 10 heads, 7 color 8 heads, +2 heads for opt. Varnish	Konica-Minolta	14pl	
	Cojet 2612	60	120	3.94	N	5 or 7	CMYK, White or CMYK, Lc, Lm, W (varnish option)		1440 x 720	Moving Gantry	UV Arc	4, up to 10 optional	Konica-Minolta	14pl	
Canon Solutions America csa.canon.com/ Booth #2613	Océ Arizona 318 GL	49.2	98.4	1.89	Y	4 or 5	CMYK; W		Océ VariaDot, 1440 apparent	Moving Gantry	UV Arc	1 per color 4/5 total	n/a	6 - 42pl	
	Océ Arizona 440 GT	49.2	98.4	2	Y	4	CMYK		Océ VariaDot, 1440 apparent	Moving Gantry	UV Arc	1 per color 4 total	n/a	6 - 42pl	
	Océ Arizona 440 XT	98.4	120	2	Y	4	CMYK		Océ VariaDot, 1440 apparent	Moving Gantry	UV Arc	1 per color 4 total	n/a	6 - 42pl	
	Océ Arizona 460 GT	49.2	98.4	2	Y	6	CMYKWV or CMYKWW		Océ VariaDot, 1440 apparent	Moving Gantry	UV Arc	1 per color 6 total	n/a	6 - 42pl	
	Océ Arizona 460 XT	98.4	120	2	Y	6	CMYKWV or CMYKWW		Océ VariaDot, 1440 apparent	Moving Gantry	UV Arc	1 per color 6 total	n/a	6 - 42pl	
	Océ Arizona 480 GT	49.2	98.4	2	Y	8	CMYKWVCM or CMYKWWCM		Océ VariaDot, 1440 apparent	Moving Gantry	UV Arc	1 per color 8 total	n/a	6 - 42pl	
	Océ Arizona 480 XT	98.4	120	2	Y	8	CMYKWVCM or CMYKWWCM		Océ VariaDot, 1440 apparent	Moving Gantry	UV Arc	1 per color 8 total	n/a	6 - 42pl	
	Océ Arizona 640 GT	49.2	98.4	2	Y	4	CMYK		Océ VariaDot, 1440 apparent	Moving Gantry	UV Arc	2 per color 8 total	n/a	6 - 42pl	
	Océ Arizona 640 XT	98.4	120	2	Y	4	CMYK		Océ VariaDot, 1440 apparent	Moving Gantry	UV Arc	2 per color 8 total	n/a	6 - 42pl	
	Océ Arizona 660 GT	49.2	98.4	2	Y	6	CMYKWV or CMYKWW or CMYKCM		Océ VariaDot, 1440 apparent	Moving Gantry	UV Arc	2 per color 12 total	n/a	6 - 42pl	
	Océ Arizona 660 XT	98.4	120	2	Y	6	CMYKWV or CMYKWW or CMYKCM		Océ VariaDot, 1440 apparent	Moving Gantry	UV Arc	2 per color 12 total	n/a	6 - 42pl	

*SGIA Members listed in bold

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Manufacturer	Model Name	Max. Print Width	Max. Print Length	Max. Media Thickness in inches	Roll Capable	# of Colors	Colors		Maximum Resolution X x Y	Y Axis Mechanics	UV Cure Source	Number of Heads	Heads Manufacturer	Drop Size in pico litters (PI)	DEE report available on SGIA.org
CET Color	K-Series 500	60	120	4	N	5	CMYK; CMYK+W		up to 1800dpi	Moving Gantry	LED		Kyocera	3.5, 7, 11, 14 & 21pl	
cetcolor.com	K-Series 500hl	126	variable	2.25	Y	5	CMYK; CMYK+W		up to 1800dpi	Transport Belt	LED		Kyocera	3.5, 7, 11, 14 & 21pl	
Booth #3713	Q-Series 500	48	96	4	N	4 or 5	CMYK + W		1440	Moving Gantry	UV Arc	4-20 head options	Ricoh Gen 4	7, 14 and 21pl	
	Q-Series 1000	60	120	4	N	4 or 5	CMYK + W		1440	Moving Gantry	UV Arc	4-20 head options	Ricoh Gen 4	7, 14 and 21pl	
	X-Series 500	60	120	4	N	8	CMYK; Lc Lm; W; Clear		1200	Moving Gantry	UV Arc	4-8 print heads	Spectra Polaris 512	15pl	
	X-Series 1000	60	120	4	N	8	CMYK; Lc Lm; W; Clear		1200	Moving Gantry	UV Arc	8-12 print heads	Spectra Polaris 512	15pl	
	X-Series 500h	100	Unlimited	2.25	Y	8	CMYK; Lc Lm; W; Clear		1200	Transport Belt	UV Arc	4-8 print heads	Spectra Polaris 512	15pl	
	X-Series 1000hl	126	Unlimited	2.25	Y	8	CMYK; Lc Lm; W; Clear		1200	Transport Belt	UV Arc	8-12 print heads	Spectra Polaris 512	15pl	
Durst Image Technology	Rho 1012	96	Unlimited	2.75	Y	4 to 8	CMYK, (Lc, Lm, OG or OV		1000	Transport Belt	UV Arc	n/a	Durst Quadro Array	12pl	
durstus.com															
Booth #401	Rho 1030	96	Unlimited	2.75	Y	4 to 8	CMYK, (Lc, Lm, OG or OV		600	Transport Belt	UV Arc	n/a	Durst Quadro Array		
	Rho P10 200	78	Unlimited	1.58 or 2.75	Y	4 to 7	CMYK, (Lc, Lm, W)		1000	Transport Belt	UV Arc	10	Durst Quadro Array	10pl	
	Rho P10 250	96	Unlimited	1.58 or 2.75	Y	4 to 7	CMYK, (Lc, Lm, W)		1000	Transport Belt	UV Arc	10	Durst Quadro Array	10pl	
Electronics For Imaging, Inc.	EFI H1625 LED	64	Unlimited	1.8	Y	5	CMYK +W		1200 x 600	Transport Belt	LED		Toshiba Tec	6-42pl	
efi.com															
Booth #2413	EFI H652	64	Unlimited	1.8	Y	5	CMYK +W		1200 x 600	Transport Belt	UV Arc	5	Toshiba Tec	6-42pl	Yes
	EFI T1000	52	98	2	N	5	CMYK +W		1200 x 900	Moving Gantry	UV Arc	6	Toshiba Tec	6-42pl	Yes
	VUTEk GS2000	80	Unlimited	2	Y	9	CMYK Lc Lm Ly Lk W		1000 x 720	Transport Belt	UV Arc	20	Seiko Printec	12/24pl	
	VUTEk GS2000LX	80	Unlimited	2	Y	9	CMYK Lc Lm Ly Lk W		1000 x 720	Transport Belt	LED	20	Seiko Printec	12/24pl	
	VUTEk GS3250	126.5	Unlimited	2	Y	9	CMYK Lc Lm Ly Lk W		1000 x 720	Transport Belt	UV Arc	20	Seiko Printec	12/24pl	
	VUTEk GS3250LX	126.5	Unlimited	2	Y	9	CMYK Lc Lm Ly Lk W		1000 x 720	Transport Belt	LED	20	Seiko Printec	12/24pl	Yes
	VUTEk HS100 Pro	126.5	Unlimited	2	Y	9	CMYK Lc Lm Ly Lk W		1000 x 720	Transport Belt	LED & UV Arc	48	Seiko Printec	0-36pl	
	VUTEk QS2	80	Unlimited	2	Y	7	CMYK Lc Lm W		1000 x 720	Transport Belt	UV Arc		Seiko Printec	12/24pl	
	VUTEk QS2 Pro	80	Unlimited	2	Y	7	CMYK Lc Lm W		1000 x 720	Transport Belt	UV Arc	16	Seiko Printec	12/24pl	Yes
	VUTEk QS3	126.5	Unlimited	2	Y	7	CMYK Lc Lm W		1000 x 720	Transport Belt	UV Arc		Seiko Printec	0-36pl	
	VUTEk QS3 Pro	126.5	Unlimited	2	Y	7	CMYK Lc Lm W		1000 x 720	Transport Belt	UV Arc	16	Seiko Printec	0-36pl	
Fei Yeung Union	FY-UV1308L	51.1	35.4	3.93	N	4 to 7	CMYK; Lc Lm; W		720 x 1440	Moving Gantry	UV Arc	n/a	Seiko Printec SPT-255	12pl	
en.fyunion.com															
	FY-UV2508GS/S	98.4	49.2	2.28	N	7	CMYK Lc Lm W		720 x 1440	Moving Gantry	UV Arc	n/a	Seiko Printec SPT1020-35PL	35pl	
	FY-UV3008L	118.1	78.7	3.93	N	4 to 7	CMYK; Lc Lm; W		720 x 1440	Moving Gantry	UV Arc	n/a	Seiko Printec SPT1020-35PL	35pl	
	FY-UV2508L	98.4	49.2	2.28	N	7	CMYK Lc Lm W		720 x 1440	Moving Gantry	UV Arc	n/a	Seiko Printec SPT1020-35PL	35pl	
Fujifilm North America	Acuity Advance Select HS	98.4	49.6	1.89	Y	4 to 6	CMYK;W;V		1200 dpi apparent	Moving Gantry	UV Arc	2 per color	Toshiba Tec CE-2	6-30pl	
fujifilmusa.com/															
Booth #2454	Acuity Advance Select HS X2	120	98.4	2	Y	4 to 6	CMYK;W;V		1200 dpi apparent	Moving Gantry	UV Arc	2 per color	Toshiba Tec CE-2	6-30pl	
	Acuity Advance Select	98.4	49.2	2	Y	4 to 6	CMYK;W;V		1200 dpi apparent	Moving Gantry	UV Arc	2 per color	Toshiba Tec CE-2	6-30pl	
	Acuity Advance Select X2	120	98.4	2	Y	4 to 6	CMYK;W;V		1200 dpi apparent	Moving Gantry	UV Arc	2 heads per color	Toshiba Tec CE-2	6-30pl	

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Gandy Digital gandydigital.com/ Booth# 439	Pred8tor	96	48	2	Y	4 to 8	CMYK; Lc Lm W; V		720 x 900	Moving Table	UV Arc	8	Ricoh Gen 4	6pl variable dot	Yes
	Domin8tor	120	78	2	Y	4 to 8	CMYK; Lc Lm W; V		720 x 900	Moving Table	UV Arc	8	Ricoh Gen 4	6pl variable dot	
	Viper'1	24	24	12	N	4 to 6	CMYK; Lc Lm W; V		720 x 900	Moving Table	LED	n/a	Ricoh Gen 4	6pl variable dot	
	SL8TE Hybrid	63, 86.6, 102.4	any	2.56	Y	4 to 6	CMYK (Lc, Lm, or W, V)		up to 1200dpi	Transport Belt	UV Arc	10 to 20	Ricoh Gen 4	6pl variable dot	
	SL8TE True Flatbed			3	Y	4 to 6	CMYK (Lc, Lm, or W, V)		up to 1200dpi	Transport Belt	UV Arc	10 to 20	Ricoh Gen 4	6pl variable dot	
Hewlett Packard hp.com Booth# 2045, 2059	FB500	64	any	2.5	Y	6 to 7	CMYK Lc Lm; W		1200 x 600	Transport Belt	UV Arc	12	X2	15, 30, 45pl	
	FB700	98.4	any	2.5	Y	6 to 7	CMYK Lc Lm; W		1200 x 600	Transport Belt	UV Arc	12	X2	15, 30, 45pl	
	HP Scitex FB7600	65	126	1	N	6 to 9	CMYK Lc Lm; O Lk; W		up to 600dpi	Moving Table	UV Arc	6 color-312, 7 color 364, 8 color 416	HP Scitex X2	40-45pl	
	HP Scitex FB10000	63	126	1	N	6	CMYK Lc Lm		up to 600dpi	Moving Table	UV Arc	52/color 312 total	HDR300	15, 30, 45pl	
GCC America Inc. gccstellarjet.com/en/product.php?status=f Booth# 3027	StellarJET K72UV	70	any	2	Y	4 to 8	CMYK (Lc, Lm, W V)		720 x 1440	Transport Belt	LED	n/a	Konica-Minolta 1024	14pl	
	StellarJET K72LSUV	70.8	any	2	Y	4 to 8	CMYK (Lc, Lm, W V)		720 x 1440	Transport Belt	LED	n/a	Konica-Minolta 512MH	14pl	
	StellarJET K72LSUV II	70.8	any	2	Y	4 to 8	CMYK (Lc, Lm, W V)		720 x 1440	Transport Belt	LED	n/a	Konica-Minolta 1024	14pl	
	StellarJET K100UV	100	any	2	Y	4 to 8	CMYK (Lc, Lm, W V)		720 x 1440	Transport Belt	LED	2 per color	Konica-Minolta 512MH	14pl	
Inca Digital Printers incadigital.com	Inca Onset S50i	63	123.6	2	N	4	CMYK		600	Flying Table	UV Arc	28 per color	Fuji Dimatix	27pl	
	Inca Onset Q40i	63	123.6	2	N	6	CMYK Lc Lm		up to 1200	Flying Table	UV Arc	28 per color	Fuji Dimatix	9pl	
	Inca Onset S40i	63	123.6	2	N	6	CMYK Lc Lm		600-1000	Flying Table	UV Arc	28 per color	Fuji Dimatix	27pl	
	Inca Onset S20i	63	123.6	2	N	7	CMYK Lc Lm W		600-1000	Flying Table	UV Arc	up to 26 per color	Fuji Dimatix	27pl	
	Inca Onset	60	126	.4 - .75	N	4	CMYK		600-1000	Flying Table	UV Arc	144 per color 576 total	Fuji Dimatix	28pl	
	Inca Spyder 320	63	126	2	N	4 to 9	CMYK Lc Lm; OV; W		600-1000	Moving Gantry	UV Arc	16-32	Fuji Dimatix	10 or 25pl	
InkTec jetrixuv.com Booth# 4207	2030FRK	78.7	118	2.3	Y	8	CMYK Lc Lm W		1440 x 720	Moving Gantry	UV Arc	n/a	Konica-Minolta 1024	14pl	
	2513FRQ	48	96	3.9	Y	6	CMYK W V		up to 1200	Moving Gantry	UV Arc	n/a	Fuji Dimatix-Spectra Q	10-30pl	
	3015FQ	60	120	3.9	N	6	CMYK W V		up to 1200	Moving Gantry	UV Arc	n/a	Fuji Dimatix-Spectra Q	10-30pl	
	KX3	47.2	47.2	2.75	N	4 to 6	CMYK; W		1440 x 720	Moving Gantry	UV Arc	n/a	Konica-Minolta 1024	6pl	
	KX5/KX5-R	51.1	98.4	3.9	Y		CMYK; W; V; P		1440 x 720	Moving Gantry	UV Arc	n/a	Konica-Minolta 1024	6pl	
	KX7/KX7-R	96	120.4	3.9	Y		CMYK; W; V; P		1440 x 720	Moving Gantry	UV Arc	n/a	Konica-Minolta 1024	6pl	
INX International Ink Co. inxinternational.com Booth# 2346	Evolve MD660	48	60	2	N	4 to 6	CMYK; W; V		1200 x 900	Moving Gantry	UV Arc	5 to 12	Toshiba Tec CE4	6-42pl	
Lawson Screen & Digital Products Inc. lawsonsp.com Booth# 3125	Lawson Express-Jet / Graphic Flatbed	52	72		N	6	CMYK W		1200 x 1200	Moving Table	UV Arc	5	Ricoh Gen IV	7pl	
Matan Digital matanprinters.com	Barak 8QW 5m/3m	130	98	1	Y	8 to 9	CMYK Lc Lm Y Lk; W		600 x 600	Vacuumplate	UV Arc	36	Ricoh	20pl & 40pl	
	Barak 8Q 5m/3m	130	98	1	Y	4 & 8	CMYK Lc Lm Y Lk		600 x 600	Vacuumplate	UV Arc	32	Ricoh	20pl & 40pl	
	Barak iQ 5m/3m	65	49	1	Y	4	CMYK		600 x 600	Vacuumplate	UV Arc	n/a	Ricoh	20pl & 40pl	
Mimaki USA mimakiusa.com Booth# 3158, 3259	JFX 500-2131	82.7	122	2	Y	4 to 6	CMYK W V		1200 x 1200	Moving Gantry	LED	6	Ricoh Gen 5		
	JFX 1631plus	63.1	122	2	Y	4 to 6	CMYK (Lc, Lm, W V)		1200 x 1200	Moving Gantry	LED	8	Toshiba Tec		
	JFX1615plus	63.1	59.1	2	Y	4 to 6	CMYK (Lc, Lm, W V)		1200 x 1200	Moving Gantry	LED	8	Toshiba Tec		
	UJV-160	63.1	any	0.39	Y	5	CMYK W		1200 x 1200	Grit Rollers	LED	OFR			Yes

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M.T.L. Print meitaldp.com	Meital 301	48	96	1	N	4	CMYK		up to 1080	Moving Gantry	UV Arc	4	XAAR 1001 HSS	6-42pl	
	Meital 302	48	96	1	N	4	CMYK		up to 1080	Moving Gantry	UV Arc	8	XAAR 1001 HSS	6-42pl	
	Meital 303	48	96	1	N	4	CMYK		up to 1080	Moving Gantry	UV Arc	12	XAAR 1001 HSS	6-42pl	
	Meital 304	48	96	1	N	4	CMYK		up to 1080	Moving Gantry	UV Arc	16	XAAR 1001 HSS	6-42pl	
	Meital 302-Dual Tables	48	96	1	N	4	CMYK		up to 1080	Moving Gantry	UV Arc	8	XAAR 1001 HSS	6-42pl	
	Meital 304-Dual Tables	48	96	1	N	4	CMYK		up to 1080	Moving Gantry	UV Arc	16	XAAR 1001 HSS	6-42pl	
Novus Imaging novusimaging.com	Synergia H/UV	126		2	Y	4 to 8	CMYK; Lc Lm Ly LkWhite;Grey; Red, Blue, Orange		2400dpi apparent	Transport Belt	UV Arc	8 per color	Fuji Dimatix Spectra	10-30pl	
Polytype America wifag-polytype.com Booth# 2971	Virtu Abacus 25	98.4	any	3.7	Y	6 to 7	CMYK Lc Lm; W		1200	Transport Belt	UV Arc	36 or 48	Fuji Dimatix Spectra	30pl or 80pl available	
	Virtu Abacus 35	137.8	any	3.7	Y	6 to 7	CMYK Lc Lm; W		1200	Transport Belt	UV Arc	36 or 48	Fuji Dimatix Spectra	30pl or 80pl available	
	Virtu Quantum 25	98	48	3.7	Y	7	CMYK, Lc, Lm, W		1200	Transport Belt	UV Arc	36 or 48	Fuji Dimatix Spectra	10pl	
	Virtu Quantum 35	137	48	3.7	Y	7	CMYK, Lc, Lm, W		1200	Transport Belt	UV Arc	36 or 48	Fuji Dimatix Spectra	10pl	
Roland DGA rolanddga.com Booth# 2759	VersaUV LEJ Hybrid	63.6	any	0.51	Y	6	CMYK, W, V		1440 x 1440	Grit Rollers	LED	OFR	Epson		
	VersaUV LEJ 640F210	63.5	82.6	6	N	6	CMYK, W, V		1440 x 1440	Moving Gantry	LED	6			
	VersaUV LEJ 640F250	63.5	103.3	6	N	6	CMYK, W, V		1440 x 1440	Moving Gantry	LED	6			
	VersaUV LEJ 640F320	63.5	130.8	6	N	6	CMYK, W, V		1440 x 1440	Moving Gantry	LED	6			
Screen USA screenusa.com Booth# 2081	Truepress Jet W1632UV	62.9	125.9	1.9	N	4 to 6	CMYK;Lc Lm		900 x 900	Moving Gantry	UV Arc	36	Fujifilm Dimatix	14pl	
	Truepress Jet 2500UV	98.4	51.1	1.9	Y	4 to 7	CMYK;Lc Lm; W		to 1500	Transport Belt	UV Arc	12	Fujifilm Dimatix	6-42pl	
	Truepress Jet W3200UV	62.9	125.9	1.9	N	4 to 7	CMYK;Lc Lm; W		600	Moving Table	UV Arc	32	Fujifilm Dimatix	14pl	
ShenZhen Runtianzhi Digital Equipment Co.,Ltd. floradigital.dpes.com.cn/	PP2512UV Eos UV	48	100	3.93	Y	6	CMYK, W, V		900 x 1200	Transport Belt	UV Arc	4 to 12	Toshiba CE4	6-42pl	
	F1 250UV Turbo UV	48	100	1.8	Y	8	CMYK, Lc, Lm, W, V		1440 x 1440	Transport Belt	UV Arc	8 to 15	Konica-Minolta	14pl	
	PP2512UV High Resolution	48	100	3.93	Y	8	CMYK, Lc, Lm, W, V		1200-1440	Transport Belt	UV Arc	8 to 16 KM/4 to 8 Polaris	Konica-Minolta/Fujifilm Dimatix	14pl	
	PP2512UV turbo	48	100	3.93	Y	8	CMYK, Lc, Lm, W, V		1440 x 1440	Transport Belt	UV Arc	8 to 16	Konica-Minolta	14pl	
	PP 3218UV	72	125.9	3.93	Y	8	CMYK, Lc, Lm, W, V		1440 x 1440	Transport Belt	UV Arc	8 to 16	Konica-Minolta	14pl	
	F1 180UV-4K	72	any	1.8	Y	4	CMYK		1440 x 1440	Transport Belt	UV Arc	n/a	n/a	n/a	
Sun Innovations Pvt. Ltd. suninnovations.in/index.php/products/digital-uv-printers	Neo UV-LED Start	63	any	7.9	Y	4	CMYK			Transport Belt	LED	4	Konica-Minolta 256	14pl	
	Neo UV-LED Glasstech	78.7	118	7.9	N	6 to 7	CMYK Lc Lm; W		720 x 1440	Moving Gantry	LED	4 to 14KM/24 to 28Spectra	Konica-Minolta/Fujifilm Dimatix	14/30pl	
	Neo UV-LED Evolution	98.4	any	7.9	Y	5 to 7	CMYK W;Lc Lm		720 x 1440	Transport Belt	LED	7 to 14	Konica-Minolta	4/14pl	
	Neo UV-LED Flatbed	49	98.4	7.9	N	6 to 7	CMYK W;Lc Lm		720 x 1440	Moving Gantry	LED	4 to 14	Konica-Minolta/Fujifilm Dimatix	4/14pl	
	Neo UV-LED Evolution Compact	63	any	7.9	Y	5 to 7	CMYK W;Lc Lm		720 x 1440	Transport Belt	LED	5 to 10	Konica-Minolta	4/14pl	

*SGIA Members listed in bold

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Comparison Chart: UV Flatbed and Hybrid over 24"

Manufacturer	Model Name	Max. Print Width	Max. Print Length	Max. Media Thickness in inches	Roll Capable	# of Colors	Colors		Maximum Resolution X x Y	Y Axis Mechanics	UV Cure Source	Number of Heads	Heads Manufacturer	Drop Size in pico litters (Pl)	DEE report available on SGIA.org
SwissQprint swissqprint.com/en/	swissQprint Impala	98	Flatbed 59, Tables 157	1.97	Y	4 to 9	CMYK, Lc, Lm, Lk, W; V; OGV, P		1080	Moving Gantry	UV Arc	4 to 18	Konica-Minolta 1024	14-42pl	
	swissQprint Nyala	126	Flatbed 59, Tables 156	1.97	Y	4 to 9	CMYK, Lc, Lm, Lk, W; V; OGV, P		1080	Moving Gantry	UV Arc	4 to 18	Konica-Minolta 1024	14-42pl	
	swissQprint Oryx	98	Flatbed 59, Tables 157	1.97	Y	4 to 9	CMYK, Lc, Lm, Lk, W; V; OGV, P		1080	Moving Gantry	UV Arc	4 to 16	Konica-Minolta 1024	14-42pl	
Teckwin International teckwin.com	PQ300	96	48	3.9	Y	7 to 8	CMYK, Lc, Lm, W, V		720 x 1440	Moving Gantry	UV Arc	16	Fujifilm Dimatix	15pl	
Booth# 447	TeckStorm UV Flatbed TS 300	96	48	1.9	Y	7 to 8	CMYK, Lc, Lm, W, V		800 x 1600	Moving Gantry	UV Arc	n/a	Fujifilm Dimatix	15pl	
	TeckStorm UV Flatbed TS 600	118.8	79.5	5.9	Y	7 to 8	CMYK, Lc, Lm, W, V		800 x 1600	Moving Gantry	UV Arc	n/a	Fujifilm Dimatix	15pl	

*SGIA Members listed in bold

What is the machine's output at my desired production speed?

- Timing tests should be performed at your desired product resolutions. Many of the major manufacturers will perform material testing with timing tests for serious buyers.
- For roll-to-roll printing, what is the rate of printing at your desired resolution in square feet or square meters per hour?
- For flatbed printing, is loading/unloading a one-man job?
- How many boards per hour can realistically be produced per hour? Per shift?

Determine ink configurations and adhesion.

- The typical configuration for ink is four-color (CMYK). Light Cyan, Light Magenta and Light Black are ink options that aid quality output. Some other options include Orange & Violet, or Orange & Green inks that expand the color range of a device. Adopting White and Varnish (clear) ink is another choice that requires careful consideration; will it be useful in your product line?
- Flatbed UV curable ink formulations vary between manufacturers. This might affect an ink's adherence to any given substrate. Have adhesion testing performed to properly identify media compatibility. Clarify what testing method is being used.
- Does the color gamut meet your needs, and can the inks print the spot colors you're currently printing?
- If routing and cutting are to be performed post printing, see if that can be tested at the demo center as well.

Installation, Service and Training

What comes with installation?

An inkjet printer is just a machine until it is completely set up in your facility and a member of your staff is ready and able to operate it. Installation and training are key to getting your machine running and making money. If installation and training are left up to you, without the guidance of a qualified professional, you may be stuck trying to troubleshoot in unfamiliar territory, or forced to hire someone to do it for you.

How much training will your staff receive, and is advanced machine training available? What RIP comes with the printer and what other RIPs are compatible?

What type of technical support and servicing can you expect?

- Ask about the technical support structure.
- What parts of the printer are covered, and what parts are not?
- What is the cost of the service contract when renewing for years two and three?
- Is support personnel available 24/7, or just weekday business hours? Is the support Web- or phone-based?
- What is the response time for "down" equipment?
- Are all expenses paid for when a technician has to come out?
- Can staff be trained to perform minor maintenance chores versus factory technicians?
- Are there user-replaceable parts available for maintenance?

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2014 Top Products Wide-Format Imaging

WFI MAGAZINE READER'S CHOICE BEST PRODUCT 2014: RIP SOFTWARE *CALDERA VERSION 9.20* / WORKFLOW SOFTWARE *CALDERA FLOW+* / COLOR MANAGEMENT SOFTWARE *PRINT STANDARD VERIFIER*



New included in Version 9.20:

PDF/X compatibility for color management
Direct access to Caldera's ICC profile library online from EasyMedia
New displaying features for Image Bar

New options for Version 9.20:

Contour nesting optimized for VisualCut and GrandCut
Preflighting of PDF files according to industry standards
Print Standard Verifier is now G7, FOGRA, ISO compliant
Costview / PrintBoard now report Zund-Cut-Center job information

These options require certain product keys. Please check your purchased options.

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