

EXTERNAL DRUM TECHNOLOGY PRODUCTIVITY

AGFA		Media Size				Plate Width	Manufacturers Speed Rating - 2400 DPI (incl.cycle time)												
Model	Comments	Axis Inches		Circumference Inches			Plates Per Hour					Linear Inches Per Minute							
		Max.	Min.	Max.	Min.		LE	E	S/SD	XT	Z	LE	E	S	XT	Z			
Xcalibur VLF 50-60-70-80 (48 diodes)	Using 140 mJ cm ² Plates	50-80"	22.0	45-58"	28.0	48.0			9.2							10.0			
Xcalibur VLF 50-60-70-80 (96 diodes)	Using 140 mJ cm ² Plates	50-80"	22.0	45-58"	28.0	48.0				14.4							20.0		
Xcalibur 45 (original 2002)	GLV-240	45.66	9.8	32.30	17.7	40.5			20							13.5			
Xcalibur 45 8 Up (9/2003 introduced)	GLV-240 - using 140 mJ cm ² Plates	45.66	9.8	32.3	17.7	40.5	10	15	20	25		6.8	10.1	13.5	16.9				
Xcalibur VLF - 50	GLV-360 - using 140 mJ cm ² Plates	50.0	22.2	45.0	17.7	48.0		7.5	10.5	14	22.5		6.0	8.4	11.2	18.0			
Xcalibur VLF - 60	GLV-360 - using 140 mJ cm ² Plates	60.0	22.2	50.0	17.7	60.0		6.5	9	12	19.5		6.5	9.0	12.0	19.5			
Xcalibur VLF - 70	GLV-360 - using 140 mJ cm ² Plates	70.0	22.2	55.0	17.7	68.0		5.5	8	11	18.0		6.2	9.1	12.5	20.4			
Xcalibur VLF - 80	GLV-360 - using 140 mJ cm ² Plates	80.0	22.2	58.0	17.7	80.0		5	7	9.5	16.0		6.7	9.3	12.7	21.3			
Avalon LF 8 Up	GLV II - using 140 mJ cm ² Plates	45.7	12.2	32.2	12.2	40.5	10	15	20	30	40.0	6.8	10.1	13.5	20.2	27.0			
Avalon VLF 50 - thermal	GLV II - using 140 mJ cm ² Plates	50.0	12.2	45.0	12.2	35.4		10	13	17.5	24.0		5.9	7.7	10.3	14.6			
Avalon VLF 55 - thermal	GLV II - using 140 mJ cm ² Plates	55.0	12.2	50.0	12.2	35.4		10	13	17.5	24.0		5.9	7.7	10.3	14.6			
Avalon VLF 60 - thermal	GLV II - using 140 mJ cm ² Plates	60.0	12.2	50.0	12.2	35.4		10	13	17.5	24.0		5.9	7.7	10.3	14.6			
Avalon VLF 65 - thermal	GLV II - using 140 mJ cm ² Plates	65.0	12.2	55.0	12.2	35.4		10	13	17.5	24.0		5.9	7.7	10.3	14.6			
Avalon VLF 70 - thermal	GLV II - using 140 mJ cm ² Plates	70.0	12.2	55.0	12.2	66.9		5.5	8	11	16.5		6.1	8.9	12.3	18.4			
Avalon VLF 75 - thermal	GLV II - using 140 mJ cm ² Plates	75.0	12.2	58.0	12.2	66.9		5.5	8	11	16.5		6.1	8.9	12.3	18.4			
Avalon VLF 80 - thermal	GLV II - using 140 mJ cm ² Plates	80.0	12.2	58.0	12.2	66.9		5.5	8	11	16.5		6.1	8.9	12.3	18.4			
Avalon VLF 83 - thermal	GLV II - using 140 mJ cm ² Plates	83.0		63.0		82.0				8	12.0					10.9	16.4		
Avalon SF S - Elite & Universal	GLV II - using 140 mJ cm ² Plates	38.6	9.8	27.2	12.2	38.6			20.5					13.2					
Avalon SF S - Universal	GLV II - using Amigo Plates	38.6	9.8	27.2	12.2	38.6			18.5					11.9					
Avalon SF S - Universal	GLV II - using Azura Plates	38.6	9.8	27.2	12.2	38.6			17					10.9					
Avalon LF - violet	GLV Violet Laser - LapV Plates	45.7	9.8	32.2	12.2	40.5			20	30				13.5	16.9				
Avalon LF - violet	GLV Violet Laser - N91V Plates	45.7	9.8	32.2	12.2	40.5			15	15				10.1	10.1				
Avalon N8 10 Series	Diode Array Module	45.6	17.7	37.0	14.5	40.5		8	13				5.4	9.6					
Avalon N8 20 Series	Fiber Coupled Diode Array	45.6	17.7	37.0	21.7	40.5		14	22				9.5	14.8					
Avalon N8 50 Series	GLV 512 channel	45.6	17.8	37.0	14.6	40.5		23	31	40			15.5	20.9	27.0				
Avalon N8 70 Series	GLV 1024 channel	45.6	17.8	37.0	14.6	40.5				48					32.4				
Avalon N16 Series E/S/XT	GLV 512 channel	57.8	25.6	45.4	21.7	57.0		16	24	29			15.2	22.8	27.5				
Avalon N24-50 Series SD	GLV 512 channel	68.8	25.6	55.1	21.7	60.0			22					22.0					
Avalon N24-50 XT	GLV 512 channel - dual modules	68.8	25.6	55.1	21.7	60.0				32					32.0				
Avalon N24-70 S/SD	GLV 1024 channels	68.8	25.6	55.1	21.7	60.0			27					27.0					
Avalon N24-70 XT	GLV 1024 channels - dual modules	68.8	25.6	55.1	21.7	60.0				38					38.0				
Avalon N36-50 Series S/SD	GLV 512 channel	82.6	25.6	62.9	21.7	80.0			18					25.3					
Avalon N36-50 XT	GLV 512 channel - dual modules	82.6	25.6	62.9	21.7	80.0				28					37.3				
Avalon N36-70 S/SD	GLV 1024 channel	82.6	25.6	62.9	21.7	80.0			22					29.3					
Avalon N36-70 XT	GLV 1024 channel - dual modules	82.6	25.6	62.9	21.7	80.0				33					44.0				
Avalon N40 Series	GLV (available 2009)	89.7	25.6	62.9	21.7	89.7			17	22				25.4	32.9				
Avalon N48 Series	GLV (available 2009)	114.1	25.6	53.1	21.7	114.1			13	17				24.7	32.3				
Accento E	16 Diode Array	32.7	12.8	26.0	14.5	28.5		10					4.8						
Accento S	32 Diode Array	32.7	12.8	25.4	15.5	28.5		16					7.6						
Accento II E & S	E=16 & S=32 Diode Array	32.7	12.8	26.0	14.5	28.5		11	21				5.2	10.0					
Accento LF	84 channel laser diode	41.7	17.8	31.6	14.6	40.5		11					7.4						

EXTERNAL DRUM TECHNOLOGY PRODUCTIVITY

KODAK - CREO - SCITEX		Media Size				Manufacturers Speed Rating (incl. cycle time)										
Page	1 of 2	Axis Inches		Circumference Inches		Plate Width	Plates Per Hour					Linear Inches Per Minute				
Model	Comments	Max.	Min.	Max.	Min.		S/E	F	V	X	Z	S/E	F	V	X	Z
Trendsetter 3230	TH 1.0 Head	30.0	13.0	33.0	15.5		30.0	11	25				5.5	12.5		
Trendsetter 3230 Spectrum	TH 1.7 Head	30.0	13.0	33.0	15.5	30.0			25					12.5		
Trendsetter 400	TH 1.0 Head	30.0	13.4	26.0	13.0	30.0		16					7.9			
TS 400 Quantum (renamed 3230)	TH 1.7 Head	30.0	13.0	33.0	15.5	30.0	11		25			5.5		12.5		
TS 400 II Quantum	TH 1.7 Head	30.0	13.0	33.0	15.5	26.0		19	36				8.2	15.6		
TS 400 III Quantum	TH 2.5 Head	39.0	9.0	33.0	10.6	28.3				43				20.0	20.4	
Lotem 400V	24 diodes	29.5	15.0	24.5	12.5	29.5		16					7.9			
Lotem 400S	12 diodes	29.5	9.0	24.0	12.3	19.5	10					4.9				
Lotem 400 (Creo)	24 diodes	29.5	9.0	24.5	12.25	29.5		16					7.9			
Lotem 400 Quantum	TH 2.0 Head	29.5	9.0	24.0	12.25	29.5	11		25			5.4		12.3		
Magnus 400	TH E Head	29.5	9.0	26.77	12.25	29.5	16	21				7.9	10.3			
Magnus 400 Quantum	TH 2.5 Head	29.5	9.0	26.77	12.25	29.5			32					15.7		
Magnus 400 II	200 LPI - 24 diodes	30.0	8.9	26.90	11.80	29.5	17	22				8.4	10.8			
Magnus 400 II Quantum	450 LPI - TH 2.0 Head	30.0	8.9	26.90	11.80	29.5			38					18.7		
TS 3244 (TS 3)	TH 1.0 Head	44.0	13.0	32.0	15.5	44.0	8	13				5.9	9.5			
TS 3244 (TS 3/8) (re-engineered TS 3)	TH 1.0 Head	44.0	13.0	33.0	15.5	44.0	8	13				5.9	9.5			
TS 3244+ (TS 8)	TH 1.0 Head	44.0	13.0	33.0	15.5	44.0	8	13				5.9	9.5			
TS 3244+ (TS 8) Spectrum	TH 1.7 Head	44.0	13.0	33.0	15.5	44.0	8	13	15			5.9	9.5	11.0		
TS 800 (renamed 3244 TS 8)	TH 1.7 Entry Head	45.0	13.0	33.0	15.5	44.5	8	13				5.9	9.6			
TS 800 Quantum	TH 1.7 Head	45.0	13.0	33.0	15.5	44.5	8	13	21			5.9	9.6	15.6		
TS 800 II	TH 1.7 Entry Head	45.0	9.0	33.0	12.0	44.5	15	22	30			11.1	16.3	22.2		
TS 800 II Quantum	TH 1.7 Head	45.0	9.0	33.0	12.0	44.5	15	22	30			11.1	16.3	22.2		
TS 800 II X	TH 2.5 Entry Head	45.0	9.0	33.0	12.0	40.5				35						23.6
TS 800 II Quantum X	TH 2.5 Entry Head	45.0	9.0	33.0	12.0	40.5				35						23.6
Trendsetter 800 III	200 LPI Staccato 25 µm TH 2.5 Entry	45.0	9.0	33.0	10.6	40.5	15	22	30	37		10.1	14.9	20.2	25.0	
Trendsetter 800 III Quantum	450 LPI Staccato 20 µm TH 2.5 Sq. Dot	45.0	9.0	33.0	10.6	40.5	15	22	30	37		10.1	14.9	20.2	25.0	
Lotem 800V	24 diodes	44.5	25.6	35.6	10.6	40.5	10					6.8				
Lotem 800 (Creo)	24 diodes	44.5	25.6	35.4	19.3	40.5	10	16				6.8	10.8			
Lotem 800V2	48 diodes	44.5	25.6	35.4	19.3	40.5	16						10.8			
Lotem 800 Quantum	TH 2.0 Head	44.5	18.0	35.6	15.0	40.5		16	25				10.8	16.9		
Lotem 800 II	TH 2.0 Entry Head	44.5	18.0	35.0	14.5	40.5	15	22	29			10.1	14.8	19.6		
Lotem 800 II Quantum	TH 2.0 Square Dot Head	44.5	18.0	35.0	14.5	40.5	15	22	29			10.1	14.8	19.6		
Magnus 800	TH 2.5 Entry Head	45.7	15.0	37.4	13.0	44.5	15	22	30	40		11.1	16.3	22.2	29.7	
Magnus 800 Quantum	TH 2.5 Square Dot Head	45.7	15.0	37.4	13.0	44.5	15	22	30	40		11.1	16.3	22.2	29.7	
Magnus 800 Z Quantum	450 LPI Staccato 20 µm TH 3.0	45.7	15.0	36.9	12.5	40.5				60						40.5
(1) Speeds are fixed. They must be specified at time of purchase.																
(2) Fully automatic plate loading and unloading standard and reflected in this speed but not others.																
Continued next page.																

EXTERNAL DRUM TECHNOLOGY PRODUCTIVITY

KODAK - CREO - SCITEX (Continued)			Media Size				Manufacturers Speed Rating (incl. cycle time)													
Page 2 of 2				Axis Inches		Circumference Inches		Plate Width	Plates Per Hour					Linear Inches Per Minute						
Model	Comments		Max.	Min.	Max.	Min.	S		F	V	X	XX	S	F	V	X	XX			
TS 4557 VLF	9/96 - 10/98	TH 1.0	32-4005B Head	192 Ch	20W	57.0	15.5		45.0	20.0	57.0	7.6	10.9					7.2		
TS 5067 VLF	9/96 - 10/98	TH 1.0	32-4005B Head	192 Ch	20W	67.0	15.5	50.0	20.0	67.0	6.7	9.8					7.5			
TS 5467 VLF	9/96 - 10/98	TH 1.0	32-4005B Head	192 Ch	20W	67.0	15.5	54.0	20.0	67.0	6.7	9.8					7.5			
TS 5080 VLF	9/96 - 10/98	TH 1.0	32-4005B Head	192 Ch	20W	80.0	15.5	50.0	20.0	80.0	5.8	8.7					7.7			
TS 5880 VLF	9/96 - 10/98	TH 1.0	32-4005B Head	192 Ch	20W	80.0	15.5	58.0	20.0	80.0	5.8	8.7					7.7			
TS 4557 QPackaging	12/00	TH 1.0	32-4089B Head	128 Ch	20W	57.0	15.5	45.0	20.0	57.0	5.5						5.2			
TS 5067 QPackaging	12/00	TH 1.0	32-4089B Head	128 Ch	20W	67.0	15.5	50.0	20.0	67.0	4.8						5.4			
TS 5467 QPackaging	12/00	TH 1.0	32-4089B Head	128 Ch	20W	67.0	15.5	54.0	20.0	67.0	4.8						5.4			
TS 5080 QPackaging	12/00	TH 1.0	32-4089B Head	128 Ch	20W	80.0	15.5	50.0	20.0	80.0	4.2						5.6			
TS 5880 QPackaging	12/00	TH 1.0	32-4089B Head	128 Ch	20W	80.0	15.5	58.0	20.0	80.0	4.2						5.6			
TS 4557	11/98 - 5/00	TH 1.7	32-4052C/4141A	192 Ch	40W	57.0	15.5	45.0	20.0	44.0		13.9					9.4			
TS 5067	11/98 - 5/00	TH 1.7	32-4052C/4141A	192 Ch	40W	67.0	15.5	50.0	20.0	57.0		12.0					10.3			
TS 5467	11/98 - 5/00	TH 1.7	32-4052C/4141A	192 Ch	40W	67.0	15.5	54.0	20.0	67.0		10.9					10.9			
TS 5080	11/98 - 5/00	TH 1.7	32-4052C/4141A	192 Ch	40W	80.0	15.5	50.0	20.0	80.0		9.7					11.6			
TS 5880	11/98 - 5/00	TH 1.7	32-4052C/4141A	192 Ch	40W	80.0	15.5	58.0	20.0	80.0		9.7					11.6			
TS 4557 Q V 2.5	since 6/00	TH 1.7	32-4090C/4182A	224 Ch		57.0	15.5	45.0	20.0	57.0		12	13.8					13.1		
TS 5067 Q V 2.5	since 6/00	TH 1.7	32-4090C/4182A	224 Ch		67.0	15.5	50.0	20.0	67.0		10.9	12.6					14.1		
TS 5467 Q V 2.5	since 6/00	TH 1.7	32-4090C/4182A	224 Ch		67.0	15.5	54.0	20.0	67.0		10.9	11.5					14.1		
TS 5080 Q V 2.5	since 6/00	TH 1.7	32-4090C/4182A	224 Ch		80.0	15.5	50.0	20.0	80.0		9.7	11.3					16.0		
TS 5880 Q V 2.5	since 6/00	TH 1.7	32-4090C/4182A	224 Ch		80.0	15.5	58.0	20.0	80.0		9.7	11.3					16.0		
TS 4557E	7/01	TH E 32-4180A	224 Ch			57.0	15.5	45.0	20.0	57.0		12.8	13.8					12.1		
TS 5067E	7/01	TH E 32-4180A	224 Ch			67.0	15.5	50.0	20.0	67.0		10.9	12.6					12.2		
TS 5467E	7/01	TH E 32-4180A	224 Ch			67.0	15.5	54.0	20.0	67.0		9.8	11.5					10.9		
TS 5080E	7/01	TH E 32-4180A	224 Ch			80.0	15.5	50.0	20.0	80.0		8.7	11.3					11.6		
TS 5880E	7/01	TH E 32-4180A	224 Ch			80.0	15.5	58.0	20.0	80.0		8.7	11.3					11.6		
Magnus VLF 4570		TH 2.7	224 Ch / TH 3.0	448 Ch (X spd)		70.0	15.5	45.0	19.3	40.5	12.6	20.6	28.8	38.9			8.5	13.9	19.4	26.2
Magnus VLF 5183		TH 2.7	224 Ch / TH 3.0	448 Ch (X spd)		83.0	15.5	51.0	19.3	81.5	7.0	12.5	16.5	19.1			9.5	16.9	26.0	
Magnus VLF 5570		TH 2.7	224 Ch / TH 3.0	448 Ch (X spd)		70.0	15.5	55.0	19.3	60.0	7.0	12.5	16.7	26.8			7.0	12.5	16.7	26.8
Magnus VLF 6383		TH 2.7	224 Ch / TH 3.0	448 Ch (X spd)		83.0	15.5	63.0	19.3	81.5	7.0	12.5	16.5	19.1			9.5	16.9	22.4	26.0
Magnus XLF 80 (One size fits all)		Staccato 20	2400 DPI			88.9	31.5	51.0	19.7	37.0			22.3 (A)					13.7		
										57.0			17.0 (A)					16.1		
										40.5			21.0 (A)					14.1		
										60.0			16.0 (A)					16.0		
										89.0			12.0 (A)					17.8		
Lotem XL 45/80		48 DiodeArray				80.0	18.0	45.0	18.0	80.6		7.0					9.33			
Lotem XL 55/80		48 DiodeArray				81.0	18.0	55.0	18.0	80.6		7.0					9.33			
Lotem XL 60/80		48 DiodeArray				80.0	18.0	60.0	18.0	80.6		7.0					9.33			

(A) Based upon Electra XD Plate recommended as optimal for this application.

EXTERNAL DRUM TECHNOLOGY PRODUCTIVITY

PRESSTEK		Media Size				Width (A)	Manufacturers Speed Rating (incl. cycle time)								
Model	Comments	Axis Inches		Circumference Inches			Image Width	Plates Per Hour @ Fixed DPI				Linear Inches Per Minute			
		Max.	Min.	Max.	Min.			2540	2400			2540	2400		
Dimension 200	2400 or 2540 DPI Factory Set	21.00	9.45	20.00	9.45	21.0	20					7.0			
Dimension 400	2400 or 2540 DPI Factory Set	30.71	9.45	26.77	9.45	30.7	20					10.2			
Dimension 800	2400 or 2540 DPI Factory Set	44.01	11.50	32.01	9.45	44.0	12					8.8			
Excel 425	2400 or 2540 DPI Factory Set	30.24	12.60	25.20	9.45	30.2	11					5.5			
Excel 450	2400 or 2540 DPI Factory Set	30.24	9.45	25.20	9.45	30.2	17					8.6			
Excel 225	2400 or 2540 DPI Factory Set	22.68	12.60	22.05	9.45	22.7	11					4.2			
Excel 250	2400 or 2540 DPI Factory Set	22.68	9.45	22.05	9.45	22.7	17					6.4			
Vector TX52 - Virtual Drum (B)	2400 or 2540 DPI Factory Set	20.90	13.00	19.88	14.38	20.9	20					7.0			
Excel 400	2400 or 2540 DPI Factory Set	30.71	9.45	26.77	9.45	30.7	20					10.2			
Excel 200	2400 or 2540 DPI Factory Set	20.87	9.45	19.69	9.45	20.9	20					7.0			
Compass 4015	2024-3048 DPI Variable	25.90	9.00	26.77	12.25	25.9	15					6.4			
Compass 4038	2024-3048 DPI Variable	25.90	9.00	26.77	12.25	25.9	38					16.4			
Compass 8022	Optional DPIs: Variable from	45.70	15.00	37.40	13.00	45.7		22					16.7		
Compass 8030	1200-2400 DPI or 1270-2540 DPI	45.70	15.00	37.40	13.00	45.7		30					22.8		
Vector FL52 - Virtual Drum (B)	2400 DPI Factory Set (C)	15.00	11.02	19.88	14.37	20.7		16					5.3		
		20.67	20.07												

(A) Width of the media is irrelevant since the laser is engineered to expose the maximum width of the drum regardless of the width of the media being exposed.

(B) Virtual Drum describes the engineering concept where the plate is positioned by guides on each side in a concave position simulating the curvature of a drum.

(C) Axis measure is variable between both the maximum and minimum plate sizes.

EXTERNAL DRUM TECHNOLOGY PRODUCTIVITY

SCREEN		Media Size				Manufacturers Speed Rating (incl. cycle time)													
Model	Comments	Axis Inches		Circumference Inches		Plate Width	Plates Per Hour					Linear Inches Per Minute							
		Max.	Min.	Max.	Min.		E	Std	SX	Z	ZX	E	Std	SX	Z	ZX			
PT-R 4000	32 Diode Array	32.7	12.8	25.4	15.5	28.5		16							7.6				
PT-R 4000II	32 Diode Array	32.7	12.8	25.4	15.5	28.5		17							8.7				
PT-R 4100	16 Diode Array	32.7	12.8	26.0	14.5	28.5		10							4.8				
PT-R 4300 (original)	32 Diode Array	32.7	12.8	26.0	14.5	28.5	11	20						5.2	9.5				
PT-R 4300E & S Series	E=16 & S=32 Diode Array	32.7	12.8	26.0	14.5	28.5	11	21						5.2	10.0				
PT-R 6600E & S Series	E=32 & S=64 Fiber Coupled Diode Array	38.5	12.0	26.9	14.6	28.5	18	30						8.6	14.2				
PT-R 8000 (Prior to 2/01)	32 Diode Array	45.6	25.6	37.0	21.7	40.5		12							8.1				
PT-R 8000II	32 Diode Array - 2/01	45.6	19.6	37.0	14.5	40.5		12							8.1				
PT-R 8000II	32 Diode Array - 2/03	45.6	17.7	37.0	14.5	40.5		13							9.6				
PT-R 8100	16 Diode Array	45.6	17.7	37.0	14.5	40.5		8							5.4				
PT-R 8200 (Niagra)	84 Fiber Coupled Diode Array	41.7	17.8	31.6	14.6	40.5		11							7.4				
PT-R 8300E & S Series	E=16 & S=32 Diode Array	45.6	17.7	37.0	14.6	40.5	8	13						5.4	9.6				
PT-R 8600E & S/Z Series	E=32 & Z=64 Fiber Coupled Diode Array	45.6	17.7	37.0	14.6	40.5	14	22						9.5	14.8				
PT-R 8600	64 Fiber Coupled Diode Array - 2/01	45.6	19.6	37.0	14.5	40.5		20							13.5				
PT-R 8600	64 Fiber Coupled Diode Array - 2/03	45.6	17.7	37.0	14.5	40.5		20							13.5				
PT-R 8800	GLV 512 channel 830 nm	45.7	17.7	37.0	14.5	40.5		30							20.3				
PT-R 8800II	GLV 512 channel 830 nm	45.7	17.8	37.0	14.6	40.5		30							20.3				
PT-R 8800IHS	GLV 512 channel 830 nm	45.7	17.8	37.0	14.6	40.5		35							23.7				
PT-R 8800 Series E, S+Z	GLV 512 channel 830 nm	45.6	17.8	37.0	14.6	40.5		24	32	42				16.2	21.6	28.3			
PT-R 8800ZX	GLV 1024 channel 830 nm	45.6	17.8	37.0	14.6	40.5					50								33.7
PT-R Ultima (original) 4/03	GLV 512 channels	93.7	25.6	50.2	21.6	50.0		12							16				
PT-R Ultima 16000 (original) 5/05	GLV 512 channels	52.8	25.6	45.8	21.7	50.0		23							19.1				
PT-R Ultima 16000Series	GLV 512 channel 830 nm	57.9	25.6	45.9	21.7	57.0		14	23					13.3	21.8				
PT-R Ultima 16000II E, S+Z	GLV 512 channel 830 nm	57.9	25.6	45.9	21.7	57.0	17	25	31	31				16.1	23.7	29			
PT-R Ultima 24000	GLV 512 channel 830 nm - 8/05	68.9	25.6	55.1	21.7	60.0		21							21				
PT-R Ultima 24000Series S+Z	GLV 512 channel 830 nm - 3/06	68.9	25.6	55.1	21.7	60.0		23		33					23		33		
PT-R Ultima 24000Series SX+ZX	GLV 1024 channel head dual head	68.9	25.6	55.1	21.7	60.0			28		38					28		38	
PT-R Ultima 32000 -discontinued 1/06	GLV 512 channel 830 nm	93.7	25.6	50.2	21.7	80.0		14							18.7				
PT-R Ultima 32000Z -disc. 1/06	GLV 512 channel 830 nm dual head	83.6	25.6	50.2	21.7	80.0		18							24				
PT-R Ultima 36000Series S+Z	S=sgl. 512 head, Z=dual 512 head	82.6	25.6	62.9	21.7	80.0		19		29					25.3		38.6		
PT-R Ultima 36000Series SX+ZX	SX=sgl. 1024 head, ZX=dual 1024 head	82.6	25.6	62.9	21.7	80.0			23		33					30.6		44	
PT-R Ultima 40000 S+SX	S=sgl. 512 head, SX=sgl. 1024 head	89.7	25.6	63.0	21.7	89.7		17	22						25.4	32.9			
PT-R Ultima 48000 S+SX	S=sgl. 512 head, SX=sgl. 1024 head	114.1	25.6	53.1	21.7	114.1		13	17						24.7	32.3			

EXTERNAL DRUM TECHNOLOGY PRODUCTIVITY

HEIDELBERG		Media Size				Manufacturers Speed Rating (incl.cycle time) (A)															
Model	Comments	Axis Inches		Circumference Inches		Plate Width	Plates Per Hour @ 2540 DPI						Linear Inches Per Minute								
		Max.	Min.	Max.	Min.		1	2	3	4	5	6	1	2	3	4	5	6			
Suprasetter A52	1 Module - 64 Diodes	20.67	9.45	26.38	9.45	20.6	17									5.8					
Suprasetter A74	1 Module - 64 Diodes	29.52	9.45	26.38	9.45	29.5	14									6.9					
Suprasetter A105 - Disc. 2008	1 Module - 64 Diodes	41.54	12.72	36.61	14.57	41.5	8									5.5					
Suprasetter 74	2 - 3 Modules - 128-192 Diodes	29.53	12.72	26.77	14.57	29.5		19	30								9.3	14.7			
Suprasetter 105	2-3-4 Modules - 128-192-256 Diodes	44.88	12.72	36.61	14.57	44.9		14	19	30							10.5	14.2	22.4		
Suprasetter A75	1 Module - 64 Diodes	20.87	9.45	26.38	9.45	20.8	14									4.8					
Suprasetter 75	2-3-4-5 Modules -	29.92	12.72	26.77	14.57	29.9		21	27	33	38						10.4	13.4	16.4	18.9	
Suprasetter A105	2 Modules - 128 Diodes	46.54	12.72	36.61	14.57	41.5		12									8.3				
Suprasetter 105	2-3-4-5-6 Modules - 128-192-256-320-384	44.88	12.72	36.61	14.57	44.8		15	21	27	33	38					11.2	15.6	20.1	24.6	28.3
Suprasetter 145 VLF	3-5-6 Modules - 192-256-384 Diodes	57.48	25.56	56.1	19.69	57.4			15		25	35						14.3		23.9	33.4
Suprasetter 162 VLF	3-5-6 Modules - 192-256-384 Diodes	64.17	25.56	56.1	19.69	64.1			15		25	35						16.0		26.7	37.4
Suprasetter 190 VLF	4 - 6 Modules - 256 - 384 Diodes	75.0	25.56	56.1	19.69	75.0				15		25								18.7	31.2
							E	Std	SX	Z	ZX					E	Std	SX	Z	ZX	
Topsetter 74	32 Diode Array	32.7	12.8	25.4	15.5	28.5		17									8.7				
Topsetter P74	32 Diode Array	32.7	12.8	26.0	14.5	28.5		20									9.5				
Topsetter 102	32 Diode Array	45.6	25.6	37.0	21.7	40.5		12									8.1				
Topsetter P102	32 Diode Array	45.6	19.6	37.0	14.5	40.5		12									8.1				
Topsetter PF102	64 Diode Array	45.6	19.6	37.0	14.5	40.5		20									13.5				
(A) Manufacturer's speed ratings of the Suprasetter are presented by the number of laser modules installed in the platesetter																					

EXTERNAL DRUM TECHNOLOGY PRODUCTIVITY

Lüscher (Internal drum with external drum laser travel)		Media Size				Manufacturers Speed Rating (incl.cycle time)																
Model	Comments	Axis Inches		Circumference Inches		Plate Width	Plates Per Hour - (A)				Linear Inches Per Minute @ 2400											
		Max.	Min.	Max.	Min.		32	64	128	Diodes	32	64	128	Diodes								
Thermal 830 nm Models																						
Xpose! 75		29.9	15.0	25.6	9.8	29	10.0								4.8							
Xpose! 80		31.5	20.4	25.6	14.1	31	6.4								3.3							
Xpose! 120		43.3	20.4	35.4	14.1	43	8.6	12.5							6.1	9.4						
Xpose! 130		44.5	19.7	37.4	14.1	44		12.3							9.0							
Xpose! 160	(B)	66.9	20.4	53.9	14.1	66	4.7	7.1	12.0						5.1	7.8	22.0					
Xpose! 180		80.0	25.6	58.5	19.6	80	2.7	4.5							3.6	6.0						
Xpose! 190		74.8	23.8	58.4	16.1	74		5.5	9.1						6.7	11.2						
Xpose! 190 L		81.9	25.7	63.0	16.1	81		5.1	8.5						6.7	11.2						
Xpose! 190 XL		89.0	25.7	63.0	16.1	89		4.5	7.6						6.7	11.2						
Conventional Plate - Visible Light - 405 nm																						
							Speed with 100 mj/cm2 plates - ©															
Xpose! 230 UV		44.4	16.9	37.4	14.1	44	8.0	14.5	23.7						5.8	10.6	17.3					
Xpose! 260 UV		66.1	21.2	53.9	14.9	66		7.1	13.0						7.8	14.3						
Xpose! 290 UV		74.8	23.8	58.4	16.1	74		5.5	9.1						6.7	11.2						
Xpose! 290 L UV		81.9	25.7	63.0	16.1	81		5.1	8.5						6.7	11.2						
Xpose! 290 XL UV		89.0	25.7	63.0	16.1	89		4.5	7.6						6.7	11.2						
Convention Plate - Visible Light 405 nm																						
							Speed with 75 mj/cm2 plates - ©															
Xpose! 230 UV		44.4	16.9	37.4	14.1	44	10.5	18.0	28.6						7.7	13.2	21.0					
Xpose! 260 UV		66.1	21.2	53.9	14.9	66		9.3	16.0						10.2	17.6						
Xpose! 290 UV		74.8	23.8	58.4	16.1	74		7.0	12.0						8.6	14.8						
Convention Plate - Visible Light 405 nm																						
							Speed with 50 mj/cm2 plates - ©															
Xpose! 230 UV		44.4	16.9	37.4	14.1	44	14.0	23.5	35.0						10.2	17.2	25.7					
Xpose! 260 UV		66.1	21.2	53.9	14.9	66		13.0	21.0						14.3	23.1						
Xpose! 290 UV		74.8	23.8	58.4	16.1	74		9.8	15.5						12.1	19.5						
(A): Plates per hour were determined by adding an estimated allowance of 1.5 minutes for the combined machine cycling and manual load/unload time to the Luscher published laser expose time to obtain the minutes per plate for calculating plates per hour.																						
(B): Plates per hour for the 128 diode models are from a Luscher press release dated 4-4-04.																						
(C): Specific plates available for each of these sensitivity ratings can be found on page 9.																						

INTERNAL DRUM TECHNOLOGY PRODUCTIVITY

AGFA			Media Size				Manufacturers Speed Rating (incl. cycle time)						
Model	Comment		Axis Inches		Circumference Inches		Plates Per Hour			Sq.in./min.	Resolutions		
			Max.	Min.	Max.	Min.	Quant.	DPI	Plate Size	2400 DPI			
Galileo VS4	400 nm Violet (5 mW)	37500 RPM	29.33	17.72	26.61	14.50	22	2400	25.6	x	21.6	211	1200, 1800, 2400, 3600
Galileo VS	400 nm Violet (5 mW)	37500 RPM	44.50	17.72	32.29	14.50	17	2400	40.5	x	31.5	361	1200, 1800, 2400
Galileo VXT	400 nm Violet (5 mW)	55000 RPM	44.50	17.72	32.29	14.50	22	2400	40.5	x	31.5	468	4 Resolutions: 1200, 1800, 2400, 3600
Galileo VS4	410 nm Violet (60 mW)	37500 RPM	29.33	17.72	26.61	14.50	22	2400	25.6	x	21.6	211	
Galileo VE	410 nm Violet (60 mW)	37500 RPM	44.50	17.72	32.29	14.50	12	2400	40.5	x	31.5	255	
Galileo VS	410 nm Violet (60 mW)	37500 RPM	44.50	17.72	32.29	14.50	17	2400	40.5	x	31.5	361	
Galleo VXT	410 nm Violet (60 mW)	55000 RPM	44.50	17.72	32.29	14.50	22	2400	40.5	x	31.5	467	

ESCHER GRAD			Media Size				Manufacturers Speed Rating (incl. cycle time)						
Model	Comment		Axis Inches		Circumference Inches		Plates Per Hour			Square Inches Per Minute		Resolutions	
			Max.	Min.	Max.	Min.	Quant.	DPI	Plate Size	2400 DPI			
Cobalt 4	5 mW or 30 mW 410 nm selectable fiber optics la		29.33	11.00	24.21	8.50	22	2400	29.3	x	24.2	260	1000 - 3600
Cobalt 8	5 mW or 30 mW 410 nm selectable fiber optics la		42.12	16.14	31.90	19.68	18	2400	42.1	x	31.9	403	1000 - 3600
Cobalt 4	30 mW & 60 mW 410 nm fiber optics laser		29.33	11.00	24.21	8.50	22	2400	29.3	x	24.2	260	1000 - 3600
Cobalt 8	30 mW & 60 mW 410 nm fiber optics laser		40.50	16.14	31.90	19.68	18	2400	42.1	x	31.9	403	1000 - 3600
Cobalt 24	30 mW & 60 mW 410 nm fiber optics laser		50.00	40.00	60.00	30.00	10	2400	60	x	50.0	500	1000 - 3000
Cobalt 32	30 mW & 60 mW 410 nm fiber optics laser		80.00	40.00	60.00	30.00	8	2400	80	x	60.0	640	1000 - 3000
Cobalt-4 Next	60 mW 410 nm laser module		31.00	11.00	24.25	8.50	39	2400	31	x	24.3	488	1000 - 3600
Cobalt-6 Next	60 mW 410 nm laser module		40.00	18.00	26.00	11.00	37	2400	40	x	26.0	645	1000 - 3600
Cobalt-8 Next	60 mW 410 nm laser module		40.50	16.14	31.90	19.68	31	2400	40.5	x	31.9	667	1000 - 3600
Note: Automated versions handle slightly larger sizes													

HEIDELBERG			Media Size				Manufacturers Speed Rating						
Model	Comment		Axis Inches		Circumference Inches		Plates Per Hour			Square Inches Per Minute		Resolutions	
			Max.	Min.	Max.	Min.	Quant.	DPI	Plate Size	2540 DPI			
Prosetter 52 - 6/01	5 mW		20.67	14.57	26.38	12.72	20	2540	25.4	x	20.7	175	2400, 2540, 3386
Prosetter 52 - 12/02	30 mW adjustable to 5 mW		20.67	14.57	26.38	12.72	20	2540	25.4	x	20.7	175	2400, 2540, 3200, 3386
Prosetter P52 - 9/05	60 mW adjustable to 5 mW		20.67	14.57	26.38	12.72	25	2540	25.4	x	20.7	219	2032, 2400, 2540, 3200, 3386
Prosetter 74 - 6/01	5 mW		29.53	14.57	26.38	12.72	16	2540	25.4	x	29.5	200	2400, 2540, 3386
Prosetter 74 - 12/02	30 mW adjustable to 5 mW		29.53	14.57	26.38	12.72	16	2540	25.4	x	29.5	200	2400, 2540, 3200, 3386
Prosetter P74 - 9/05	60 mW adjustable to 5 mW		29.53	14.57	26.38	12.72	20	2540	25.4	x	29.5	250	2032, 2400, 2540, 3200, 3386
Prosetter F74 - 6/01	5 mW		29.53	14.57	26.38	12.72	24	2540	25.4	x	29.5	300	2400, 2540, 3386
Prosetter F74 - 12/02	30 mW adjustable to 5 mW		29.53	14.57	26.38	12.72	24	2540	25.4	x	29.5	300	2400, 2540, 3200, 3386
Prosetter PF74 - 9/05	60 mW adjustable to 5 mW		29.53	14.57	26.38	12.72	24	2540	25.4	x	29.5	300	2032, 2400, 2540, 3200, 3386
Prosetter 102 - 6/01	5 mW		41.54	15.75	31.93	12.72	12	2540	30.9	x	41.5	173	2400, 2540, 3386
Prosetter 102 - 12/02	30 mW adjustable to 5 mW		41.54	14.57	31.93	12.72	12	2540	30.9	x	41.5	173	2400, 2540, 3200, 3386
Prosetter P102 - 9/05	60 mW adjustable to 5 mW		41.54	14.57	31.93	12.72	16	2540	30.9	x	41.5	231	2032, 2400, 2540, 3200, 3386
Prosetter F102 - 6/01	5 mW		41.54	14.57	31.93	12.72	12	2540	30.9	x	41.5	173	2400, 2540, 3386
Prosetter F102 - 12/02	30 mW adjustable to 5 mW		41.54	14.57	31.93	12.72	18	2540	30.9	x	41.5	260	2400, 2540, 3200, 3386
Prosetter PF102 - 9/05	60 mW adjustable to 5 mW		41.54	14.57	31.93	12.72	20	2540	30.9	x	41.5	289	2032, 2400, 2540, 3200, 3386
Prosetter P74 - 6/08	60 mW adjustable to 5 mW		29.92	14.57	26.38	12.72	20	2540	25.4	x	29.5	250	2032, 2400, 2540, 3200, 3386
Prosetter PF74 - 6/08	60 mW adjustable to 5 mW		29.92	14.57	26.38	12.72	24	2540	25.4	x	29.5	300	2032, 2400, 2540, 3200, 3386

INTERNAL DRUM TECHNOLOGY PRODUCTIVITY

FUJI		Media Size				Manufacturers Speed Rating (incl. cycle time)								
Luxel Models (A)	Comment	Axis Inches		Circumference Inches		Plates Per Hour				Square Inches Per Minute				
		Max.	Min.	Max.	Min.	Quant.	DPI	Plate Size		2438 DPI	Resolutions			
P-9600 - Single Beam	532 nm - green	45.70	19.70	37.80	15.70	15	2438	45.7	x	37.8	431	6 resolutions: 1219, 1828,		
P-9600 - Split Beam	532 nm - green	45.70	19.70	37.80	15.70	27	2438	45.7	x	37.8	777	2400, 2438, 2540, 3657		
V-9600	30 mW - 405 nm violet	45.70	19.70	37.80	15.70	19	2438	45.7	x	37.8	546	8 resolutions: 1200, 1219, 1800, 1828, 2400, 2438, 2540, 3657		
V-9600 - Dual Laser	30 mW - 405 nm violet	45.70	19.70	37.80	15.70	32	2438	45.7	x	37.8	921			
Vx-9600	30 mW - 405 nm violet	45.70	19.70	38.80	15.70	19	2438	45.7	x	37.8	546			
Vx-9600 - Dual Laser	30 mW - 405 nm violet	45.70	19.70	38.80	15.70	32	2438	45.7	x	37.8	921			
Vx-6000	30 mW - 405 nm violet	30.00	13.40	27.60	12.50	22	2438	30.0	x	26.6	293			
Vx-6000 - Dual Laser	30 mW - 405 nm violet	30.00	13.40	27.60	12.50	32	2438	30.0	x	26.6	425			
V-6	30 mW - 405 nm violet	30.10	12.60	27.00	11.40	20	2438	30.0	x	26.6	266	8 resolutions: 1200, 1219, 1270, 2400, 2438, 2540, 3600, 3657		
V-6e	30 mW - 405 nm violet	30.10	12.60	27.00	11.40	10	2438	30.0	x	26.6	133			
V-6e	60 mW - using 6 mil plate	20.67	13.78	18.00	13.78	(B)	2400	20.1	x	15.7	133			
V-6e	60 mW - using 8 mil plate	30.10	13.78	27.01	13.78	10	2400	30.0	x	26.6	133			
V-6e	60 mW - using 10 & 12 mil plate	30.10	16.14	27.01	13.78	10	2400	30.0	x	26.6	133			
V-6	60 mW - using 6 mil plate	20.67	13.78	18.07	13.78	(B)	2400	20.1	x	15.7	319			
V-6	60 mW - using 8 mil plate	30.10	13.78	27.01	13.78	24	2400	30.0	x	26.6	319			
V-6	60 mW - using 10 & 12 mil plate	30.10	16.14	27.01	13.78	24	2400	30.0	x	26.6	319			
V-8	60 mW - using 6 mil plate - w/o punch	23.62	19.68	23.62	15.75	TBD								
V-8	60 mW - using 8 mil plate - w/o punch	41.34	19.68	31.50	15.75	TBD								
V-8	60 mW - using 10 & 12 mil plate - w/o punch	45.67	19.68	37.80	15.75	TBD								
V-8 - Dual Laser	60 mW - using 6 mil plate - w/o punch	23.62	19.68	23.62	15.75	TBD								
V-8 - Dual Laser	60 mW - using 8 mil plate - w/o punch	41.34	19.68	31.50	15.75	TBD								
V-8 - Dual Laser	60 mW - using 10 & 12 mil plate - w/o punch	45.75	19.68	37.80	15.75	TBD								
V-8 HS - Dual Laser	60 mW - using 6 mil plate	23.62	19.68	23.62	15.75	TBD								
V-8 HS - Dual Laser	60 mW - using 8 mil plate	41.34	19.68	31.50	15.75	TBD								
V-8 HS - Dual Laser	60 mW - using 10 & 12 mil plate	45.75	19.68	37.80	15.75	TBD								
(A) All versions are Luxel - Saber was only used in the USA and Canada.														
(B) Manufacturer does not publish productivity by plate size. Square inches per minute can be assumed to be the same as other plate sizes of the same model however the PPH (plates per hour) will be affected to the extent that each added machine cycle will affect the quantity of plates produced														

FLATBED TECHNOLOGY

ECRM		Media Size				Manufacturers Speed Rating (incl. cycle time)								
Model	Comment	Axis Inches		Circumference Inches		Plates Per Hour				Square Inches Per Minute				
		Max.	Min.	Max.	Min.	Quant.	DPI	Plate Size		DPI	Sq. In.	Resolutions		
Mako (Original)	5 mW 405 nm Violet	22.00	10.00	22.00	10.00	29	2540	20.1	x	15.7	2540	153	7 resolutions: 1200, 1270, 1800, 2400, 2540, 3048, 3556	
Mako 2L	30 mw 405 nm Violet	22.10	9.94	22.10	8.98	29	2540	20.1	x	15.7	2540	153		
Mako 2 / Mako 4 (2 page)	5 mW or 30 mW option 405 nm Violet	26.40	9.94	22.10	8.98	29	2540	20.1	x	15.7	2540	153		
Mako 4 (Original)	5 mW or 30 mW option 405 nm Violet	36.50	9.94	25.00	8.98	20	2540	29.3	x	23.3	2540	227		
Mako 4X	60 mW 405 nm Violet	37.79	9.94	25.98	8.98	19	2400	29.3	x	23.3	2400	216		
Mako 4matic (Original)	5 mW or 30 mW option 405 nm Violet	38.50	15.15	25.00	15.15	20	2540	29.3	x	23.3	2540	227		
Mako 4matic (Re-engineered)	Max. axis and min circum. changed in 2006	36.50	15.15	25.00	11.40	20	2400	29.3	x	23.3	2400	227		
Mako System4 - 4 Page Model	Mako 4 re-engineered in 2006	29.33	9.94	24.21	8.98	20	2400	29.3	x	23.3	2400	227		
Mako 8	5 mW or 30 mW option 405 nm Violet	45.00	9.94	32.44	8.98	(A) 11	2400	40.5	x	31.5	2400	233	1800-3556 undefined	
Mako 2X	120 mW 405 nm Violet	22.00	8.90	26.40	8.98	27	2400	20.1	x	15.7	2400	142		
Mako 8X	120 mW 405 nm Violet	45.00	9.90	32.40	8.90	(A) 15	2400	40.5	x	31.5		319		
(A) The manufacturer brochure states production to be an "up to" quantity. This must be interpreted to be at the minimum DPI. Therefore the manufacturer's stated through-put is adjusted to reflect that attainable at 2400 DPI.														
SCREEN / AGFA		Media Size				Manufacturers Speed Rating								
Model	Diode	Length		Width		Plates Per Hour				Square Inches Per Minute				
		Max.	Min.	Max.	Min.	Quant.	DPI	Plate Size		2400 DPI				
PT-R Micra	Also Palladio	22.8	13.0	20.3	9.8	23	2400	22.8	x	20.3		177		
PT-R 2055Vi	Also Palladio and Palladio M	25.0	11.0	29.9	17.7	20	2400	25.0	x	29.7		247		
Palladio 30M	Altered PT-R 2055Vi	25.0	11.0	21.6	17.7	17	2400	25.0	x	21.6		153		