

PLATE SENSITIVITIES

THERMAL PLATES

<u>Manufacturer</u>	<u>Plate Name</u>	<u>nm</u>	<u>Print</u>	<u>mJ/cm2</u>
Agfa	Energy Elite	830		120
Agfa	Thermostar P970	830		135
Agfa	Ampio	830	Pos	120 - 150
Ding Kailong (Fujain)	Thermax	810 - 830		150 - 180
Fuji	Brillia LH-PSE	800 - 850		120 - 150
Fuji	Brillia LH-N12	800 - 850	Neg	120
Fuji	Brillia LH	830		120
Huagnang	TP-11	830	Pos	120 - 140
Huagnang	TP-26	830	Pos	130 - 150
IBF	Million 2	830		110 - 150
Ipagsa	Rubi T-50	800 - 850		170
Ipagsa	Arte IP 21	830		140
Kodak	Thermal Gold	800 - 830		90 - 110
Kodak	Electra XD	800 - 850		110 - 130
Kodak	Electra Excel	800 - 850		120 - 180
Kodak	Sword Excel	800 - 850		120
Kodak	Thermal News Gold	800 - 850		70 - 80
Southern Litho	Cobra 830 TN	830	Neg	110

SILVER PLATES

<u>Manufacturer</u>	<u>Plate Name</u>	<u>nm</u>	<u>Print</u>	<u>Laser Power</u>
Agfa	LithoStar Ultra V	400 - 410		5 mW
Agfa	LithoStar Ultra LAP-V	400 - 410		5 mW
Heidelberg	Saphira Violet	400 - 410		5 mW

PHOTOPOLYMER PLATES

<u>Manufacturer</u>	<u>Plate Name</u>	<u>nm</u>	<u>Print</u>	<u>Laser Power</u>
Agfa	N91 (Newspapers)	488 - 532	Neg	30 mW +
Escher Grad	ECG-HRV1	n/a		n/a
Fuji	Brillia HD Pro-V LP-NV2 & NV	405		30 mW +
Fuji	Brillia HD Pro-V	405		30 mW +
Fuji	Brillia LH PI	405	Pos	30 mW +
Fuji	Brillia LH PSE	405	Pos	30 mW +
Kodak	Violet Print	405	Neg	30 mW +
Kodak	Violet News	405		n/a
Konica	Duros HSV	405		30 mW +
Southern Litho	Tiger Newspaper	405		30 mW +
Southern Litho	CPM 400	405		30 mW +

THERMAL CHEMISTRY FREE or PROCESSLESS PLATES

<u>Manufacturer</u>	<u>Plate Name</u>	<u>nm</u>	<u>mJ/cm2</u>
Agfa	Azura - chem free		300
Agfa	Amigo - chem free	830	220 - 260
Heidelberg	Saphira Chem Free	830	300
Fuji	Brillia HD Pro-T	800 - 850	120
Fuji	Brillia Pro-T LH-PJ	830	120
Fuji	Brillia Pro-T LH-PSE	830	120
Fuji	Economaxx-T	n/a	n/a
Kodak	Thermal Direct	800 - 850	275 - 325
Kodak	PF-N (Newspaper)	830	325
Presstek	Anthem Pro	800 - 1200	600
Presstek	Applause	800 - 1200	600
Presstek	Freedom	1064	n/a

Note: Presstek does not publish the digital sensitivity of their plates but it has been reported to be 600mj/cm2. This value has never been challenged by Presstek.

WATERLESS PLATES

<u>Manufacturer</u>	<u>Plate Name</u>	<u>nm</u>	<u>Type</u>	<u>mJ/cm2</u>
Toray		830	Thermal	150

PLATE SENSITIVITIES

The following data on conventional plate sensitivities was supplied by Lüscher at Drupa 2008. We found this information particularly interesting since this type of information is seldom supplied by manufacturers as part of their broad marketing efforts. We have listed the plates to correspond with Lüscher's productivity ratings found on page 39 for their UV platesetters. Although all of these plates fall within the nm range for violet platesetters, only Lüscher has engineered a violet platesetter with sufficient power to image these plates.

CONVENTIONAL PLATES for UV Platesetters

<u>Manufacturer</u>	<u>Plate Name</u>	<u>Print</u>	<u>mJ/cm2</u>
<u>100 mJ/cm2 productivity class</u>			
Agfa	Zenith N555	Neg	105
Ipagsa	Top F1	Pos	100
Kapoor Imaging India	Topaz	Pos	120
Kodak	Capricorn Gold	Pos	106
Kodak	PP-W	Pos	113
Kodak	DITP Gold	Pos	112
Korea	Jell PS	Pos	100
Second Film Factory of China	Huaguang YN-II	Neg	141
Sichuan Juguang Printing	JPS-C	Pos	103
Technovia Indien	Gemini	Pos	113
Vela	LPN 100	Pos	106
<u>75 mJ/cm2 productivity class</u>			
Fuji	VP	Pos	95
IBF Brazil	N 2000 + N 2000D	Neg	75
IBF Brazil	P4001	Pos	92
Kodak	Capricorn Excel Positive	Pos	92
Kodak	PP3	Pos	90
Lastra Nirai Indien	Winner	Pos	98
LongMa Group	UV-CTP	Pos	90
Man Roland	Printcom P101	Pos	76
PNE Print Technology	NP-1	Pos	95
Sichuan Juguang Printing	JPS-N	Pos	97
Technovia Indien	Argos / Low coating wt	Neg	90
Vela	Universal	Pos	93
Vela	LPV 100	Pos	76
Vela	NS-300	Neg	91
<u>50 mJ/cm2 productivity class</u>			
Cinkama Grafika	Kremolit P07	Pos	60
Crema / China	Crema	Pos	60
Fuji	VPS-E	Pos	70
Fuji	VS	Pos	53
Fuji	FND-E	Neg	63
Ipagsa	Eco 88	Pos	68
Kodak	Winner Gold	Neg	53
Konica Minolta	Duros KPS	Pos	69
Korea	EZ-Plate D Top	Pos	68
Man Roland	Printcom P103	Pos	68
Second Film Factory of China	UV-P	Pos	53
Second Film Factory of China	Huaguang YP-A	Pos	60
Second Film Factory of China	Huaguang YN-S	Neg	70
Top High Image	TP 101	Pos	57
Wenzhou Wondertec of CH	Konita KPT	Pos	70
Wenzhou Wondertec of CH	Konita KPI-SS	Pos	60