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# STARLINER<sup>®</sup>

## DIGITAL

For what **inspires** you.



## Pressure Sensitive Product Catalog

Pressure Sensitive Products for  
Sheet Fed Digital Presses



August 2011-V2  
MAC2223 Product Catalog



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## Indigo

Starliner Pressure Sensitive sheet products optimized and certified for HP Indigo sheet fed presses. Ideal for short runs, personalized and variable information. Perfect for retail signage, POP, announcements, exhibit displays and prime product identification. Many products available with and without scores. Now the most popular products are available in 500 sheet cartons.

Product	Stock No.		GSM	Caliper	Sheet Size	Adhesive	Liner	Sheets per CTN	Carton Weight
<b>Cinema ITC</b> Cast Coated Gloss	SLI7200	✓	226	8.5	12" x 18"	Permanent	80# Starliner Score	200	15#
	SLI7200-5	✓	226	8.5	12" x 18"	Permanent	80# Starliner Score	500	36#
	SLI7200-00	✓	226	8.5	12" x 18"	Permanent	80# OSOP	200	15#
<b>Matinee ITC</b> Semi Gloss	SLI7210	✓	224	7.9	12" x 18"	Permanent	80# Starliner Score	200	15#
	SLI7210-5	✓	224	7.9	12" x 18"	Permanent	80# Starliner Score	500	36#
	SLI7210-13	✓	224	7.9	13" x 19"	Permanent	80# Starliner Score	500	40#
	SLI7210-00	✓	224	7.9	12" x 18"	Permanent	80# OSOP	200	15#
<b>Lyric ITC</b> Matte Litho	SLI7250	✓	236	8.8	12" x 18"	Permanent	80# Starliner Score	200	15#
	SLI7250-5	✓	236	8.8	12" x 18"	Permanent	80# Starliner Score	500	36#
	SLI7250-00	✓	236	8.8	12" x 18"	Permanent	80# OSOP	200	15#
<b>Novelty ITC</b> Uncoated Litho	SLI7100	✓	242	9.1	12" x 18"	Permanent	80# Starliner Score	200	15#
	SLI7100-5	✓	242	9.1	12" x 18"	Permanent	80# Starliner Score	500	36#
<b>Preview ITC</b> 8pt Coated Tag	SLI7300	✓	334	13.3	12" x 18"	Permanent	80# Starliner Score	100	19#
	SLI7300-00	✓	334	13.3	12" x 18"	Permanent	80# OSOP	100	19#
<b>Encore ITC 100</b> Uncoated 100% PCW	SLI7111	✓	226	9.1	12" x 18"	Permanent	80# Starliner Score	200	14#
<b>Encore ITC 30</b> Semi Gloss 30% PCW	SLI7211	✓	231	8.1	12" x 18"	Permanent	80# Starliner Score	200	15#
<b>Teslin</b> 7 Mil Teslin SP	SL2324		255	12.5	12" x 18"	Permanent	80# Starliner Score	500	40#
<b>Jazz ITC</b> Matte Synthetic Paper	INSP8000	✓	225	10.34	12" x 18"	Permanent	90# Polyliner OSOP	200	15#
<b>Debut ITC</b> White Vinyl	INV8000	✓	267	8.8	12" x 18"	Permanent	80# Scores OP	100	8#
<b>Prestige ITC White</b> White Vinyl	INV8200	✓	267	8.8	12" x 18"	Ultra Removable	80# Scores OP	100	8#
<b>Prestige ITC Clear</b> Matte Clear Vinyl	INV9200	✓	245	8.5	12" x 18"	Ultra Removable	80# OSOP	100	8#

- ✓ Tested and certified for HP5000/5500 and HP7000/7500 printing by Rochester Institute of Technology's (RIT) Printing Applications Laboratory
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GSM = Grams/Meter Square



## Toner Fusion Digital Presses

Popular face stocks optimized for toner fusion digital presses. Can be pre-printed with offset inks compatible with toner fusion printing. These products perform on today's dry toner digital presses such as Xerox iGen series, Kodak NexPress series and Canon imagePress VP as well as other high speed production sized digital printers. Always test. Follow the digital manufacturer's guidelines for printing pressure sensitive stock. Digital is ideal for short runs and variable information. Perfect for retail signage, POP, announcements, exhibit displays and prime and variable labels. These products can also be used on many direct image (DI) presses.

Product	Stock No.		GSM	Caliper	Sheet Size	Adhesive	Liner	Sheets per CTN	Carton Weight
<b>Cinema Digital</b> Cast Coated Gloss	SL0012	✓	230	8.9	12" x 18"	Permanent	80# Starliner Score	200	16#
	SL0012-5	✓	230	8.9	12" x 18"	Permanent	80# Starliner Score	500	16#
<b>Matinee Digital</b> Semi Gloss	SL0026	✓	230	8.0	12" x 18"	Permanent	80# Starliner Score	200	16#
	SL0026-5	✓	230	8.0	12" x 18"	Permanent	80# Starliner Score	500	36#
	SL0031	✓	230	8.0	12" x 18"	Permanent Opaque	80# Scores OP	200	16#
<b>Lyric Digital</b> Matte Litho	SL0096	✓	230	8.8	12" x 18"	Permanent	80# Starliner Score	200	16#
	SL0096-5	✓	230	8.8	12" x 18"	Permanent	80# Starliner Score	500	36#
<b>Novelty Digital</b> Uncoated Litho	SL1085N	✓	230	9.5	12" x 18"	Permanent	80# Starliner Score	200	16#
	SL1085N-5	✓	230	9.5	12" x 18"	Permanent	80# Starliner Score	500	36#
	SL0088N	✓	230	9.5	12" x 18"	Permanent Opaque	80# Scores OP	200	16#
<b>Blinding White</b> Smooth Vellum	SL1304		230	9.5	12" x 18"	Permanent	80# Starliner Score	200	16#

✓ Tested and certified for Kodak Nexpress printing by Rochester Institute of Technology's (RIT) Printing Applications Laboratory



## Lighter Weight Pressure Sensitive for Laser & Direct Image Offset

Full sized sheets with a lighter weight liner for toner fusion laser printers requiring lighter, more flexible media as well as Direct Image printers. Suitable for direct image offset printing as well. MACtac also carry a full line of die cut labels for laser printing. Contact your local merchant for more information about Starliner Labels.

Product	Stock No.		GSM	Caliper	Sheet Size	Adhesive	Liner	Sheets per CTN	Carton Weight
<b>50lb Uncoated</b>									
SR6748	Laser & Offset		175	7.6	8½" x 11"	Permanent	2 Vertical Splits	250	13#
SR6817	Laser & Offset		175	7.6	11" x 17"	Permanent	2 Vertical Splits	500	27#
SR6822	Offset		175	7.6	17" x 22"	Permanent	No Splits on Liner	500	49#
<b>60lb Semi Gloss</b>									
SR6948	Laser & Offset		190	7.0	8½" x 11"	Permanent	2 Horizontal Splits	250	13#
SR6917	Laser & Offset		190	7.0	11" x 17"	Permanent	2 Vertical Splits	500	27#
SR6922	Offset		190	7.0	17" x 22"	Permanent	No Splits on Liner	500	49#
<b>60lb Matte Coated</b>									
SR6348	Laser & Offset		195	7.8	8½" x 11"	Permanent	2 Horizontal Splits	250	14#
SR6317	Laser & Offset		195	7.8	11" x 17"	Permanent	2 Vertical Splits	500	28#
SR6322	Offset		195	7.8	17" x 22"	Permanent	No Splits on Liner	500	30#

GSM = Grams/Meter Square

## Commercial Digital Presses




Digital printing gives commercial printers and their customers choices in today's competitive environment. Digital presses are faster, more affordable and the quality is close to offset. The distinct advantages of digital printing - quick turnaround, short runs and the ability to print variable data information (VDP) - are the driving this growth. Here are a few color digital presses used by commercial printers. Production sized B&W and highlight color presses are used in transpromotional printing and labels.

### HP Indigo Commercial Presses



HP Indigo presses use a proprietary liquid toner ink system. Newest HP Presses are positioned to compete against conventional presses. Media for HP Indigo presses are tested and qualified by independent testing center at the Rochester Institute of Technology


Digital Press	Manufacturer	Model	Speed 4 color 8½ x 11	Max Sheet Size	Pages/ Month	Est MSRP
	Hewlett Packard	HP Indigo 3500	52 ppm	12" x 18"	100K	\$133 M
	Hewlett Packard	HP Indigo 5000/5500	50 ppm	12" x 18"	150K	\$144 M
	Hewlett Packard	HP Indigo 7000/7500	60 ppm	13" x 19"	150K	\$202 M

### Dry Toner Fusion Digital Presses

Most sheet fed digital printing systems use dry inks or powders. Printing is achieved through a combination of an electrostatic charge, heat and pressure. Each manufacturer has their own proprietary technologies to increase quality and speed. Dry toner fusion has the widest range of capabilities from small desk top printers to heavy duty production presses featured here.



Xerox, the pioneer in laser printing, offers of a wide array of digital presses for a variety of commercial needs.

Digital Press	Manufacturer	Model	Speed 4 color 8½ x 11	Max Sheet Size	Pages/ Month	Est MSRP
	Xerox	Docucolor 5252	52 ppm	12.6" x 19.2"	100K	\$133 M
	Xerox	Docucolor 5000	50 ppm	12.6" x 19.2"	150K	\$144 M
	Xerox	Docucolor 6060	60 ppm	12.6" x 19.2"	150K	\$202 M
	Xerox	Docucolor 7000 / 8000	70 - 80 ppm	12.6" x 19.2"	300K	\$325 M
	Xerox	Docucolor 8000 / 8002	80 ppm	12.6" x 19.2"	300K	\$325 M
	Xerox	iGen3 90	90 ppm	14.33" x 20.5"	3.0 MM	\$540 M
	Xerox	iGen3 110	110 ppm	14.33" x 20.5"	3.0 MM	\$580 M
	Xerox	iGen4	110 ppm	14.33" x 20.5"	3.75 MM	\$700 M
	Xerox	Docutech 6155	155 ppm B&W	12.3" x 18.2"	1.0 MM	
	Xerox	Nuvera 200/288 EA	120 duplex B&W	12.6" x 19.2"	3.0 MM	



High quality, affordable digital presses for mid sized commercial printers. Features oil free toner and calibration sets proper color densities automatically.




Canon	C6000	60 ipm	13" x 19.2"		
Canon	C6000VP	60 ipm	13" x 19.2"	450K	\$209 M
Canon	C7000VP	70 ipm	13" x 19.2"	500K	\$240 M
Canon	imageRunner Pro series	125-150 ipm B&W	14" x 18"		Up to 4.5 MM

## Dry Toner Fusion Digital Presses



Affordable, media friendly NexPress line. NexPress presses positioned as entry level for digital print market. NexPress SE class targets the high volume digital printers. Certification and testing by RIT.

Digital Press	Manufacturer	Model	Speed 4 color 8½ x 11	Max Sheet Size	Pages/ Month	Est MSRP
	Kodak	NexPress M700	70 ppm	13" x 19.2"	450K	\$220 M
	Kodak	NexPress 2100	70 ppm	13.8" x 18.5"	750K	\$375 M
	Kodak	NexPress 2500 / S2500	83 ppm	14" x 20.47"	1.9 MM	\$450 M
	Kodak	NexPress SE2500	83 ppm	14" x 20.47"	2.8 MM	
	Kodak	NexPress S3000	100 ppm	14" x 20.47"	2.2 MM	\$542 M
	Kodak	NexPress SE3000/SE3600	100 ppm	14" x 20.47"	3.4 MM	\$612 M
	Kodak	NexPress SX Series	Up to 120 ppm	14" x 20.47"	Up to 4.0MM	



Konica Minolta expands their popular bizhub multifunctional printers (MFP) to include digital production presses with the 2010 introduction of the bizhub PRESS series.



Konica Minolta	bizhub PRESS C6000	60 ppm	13" x 19.2"	280,000	
Konica Minolta	bizhub PRESS C7000/C7000P	70 ppm	13" x 19.2"	330,000	
Konica Minolta	bizhub PRESS C70hc	70 ppm	13" x 19.2"	330,000	
Konica Minolta	bizhub PRESS C8000	80 ppm	13" x 19.2"	500,000	\$115-135M

## Direct Imaging (DI) Presses

Direct imaging (DI) presses eliminates the use of traditional offset plates. DI press sends a digital file directly to the press saving time and money. DI presses use standard offset inks but will not print variable information. DI presses target runs of 500 to 10,000 images although some presses support jobs up to 20,000.

Manufacturer	Model	# of Colors & Resolution	Speed	Max Sheet Size	Pages/ Month
Presstek	34DI	4 color, 2540 DPI	1,500 - 7,000 sph	13.39" x 18.11"	Invented the process and 90% of DI presses use Presstek technology.
	52DI	4 color, 2540 DPI	3,000 - 10,000 sph	20.47" x 14.76"	
Heidelberg	Quickmaster 46 Series	4 color, 2540 DPI	4,000 - 7,000 iph	13.39" x 18.11"	
KBA	Karat 46 Karat 74	4 color, 2540 dpi color, 2540 dpi	4 7,000 sph	13.39" x 18.11" 20" x 29"	74 has keyless ink system for consistent ink densities from side to side and front to back.
Ryobi	3404DI	4 color, 2540 dpi	1,500 - 7,000 sph	13.39" x 18.11"	
Adast	557 DI	4-5 color, 1270 dpi	3,000 - 12,000 imh	15" x 20.5"	Presses currently not being produced due to financial insolvency.



## FAQ's and Tips



MACtac tests and certifies our pressure sensitive products wherever possible. Please follow press manufacturer's instructions regarding the use of pressure sensitive media and always test for suitability for the specific equipment and application.

### About Starliner Digital Products

- ▶ Same **trusted quality** and **state of the art technology** as Starliner offset products.
- ▶ MACtac Digital Products feature proprietary **non-ooze digital compatible adhesives** that withstands the pressure and heat of digital printing.
- ▶ This assures **clean edges** when sheets are guillotined.
- ▶ Our products are engineered to **lay flat** throughout the printing process.
- ▶ Our sheets are sheeted precisely to **feed** through digital presses without jamming.
- ▶ Proprietary **topcoats** assure consistent quality printing.

### Digital Printing Tips

- ▶ Fan stacks prior to loading laser printer by gently bending the ream **towards** the face.
- ▶ Some digital presses have print selections that may optimize pressure sensitive media product's performance and appearance. Select Label, Heavy Paper or Card Stock setting. Consult the printer manual for recommended settings.
- ▶ Some presses may recommend using manual feed or by-pass tray.
- ▶ Do **not** run damaged pressure sensitive sheets or sheets with labels lifting or missing. The exposed silicone liner can build up and eventually contaminate the printer's drum.
- ▶ **Never** use a pressure sensitive sheet that does not have a digital compatible adhesive. Pressure and high temperature of the digital printing will cause the non compatible adhesive to ooze.

### Hybrid Printing

- ▶ Hybrid printing is the pre-printing common elements like a company logo on an offset press and later digitally printing variable information like addresses on a digital press. Check digital press manual to if the digital press in question can run pre-printed media.
- ▶ Use **laser compatible inks** that withstand pressure and heat (up to 400°F in some printers) of digital printing. Standard inks could contaminate the fuser and produce unpleasant or hazardous fumes. Consult your ink supplier.
- ▶ When offset printing before laser printing, monitor the amount of ink and fountain solution to avoid adding too much moisture to the paper to prevent curling.
- ▶ Avoid spray powders that can inhibit imaging and fusing.
- ▶ Avoid designs that contain large areas of heavy ink. The excessive moisture through high ink coverage, can cause serious curl. If necessary, tint with the smallest amount of ink/moisture to get the desired color and density. Use compatible inks to assure toner anchorage when printing over pre printed areas.
- ▶ Some specialty printing processes (embossing, foil stamping) do not hold up to the demands of digital printing. Check to make sure that any specialty process is capable of withstanding the demands of a laser printer.

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