

# KODAK Digital Offset Plates

Product name	Technology	Application								Sensitivity**	Run length unbaked***	Run length baked***	Run length UV inks***	AM screening	FM screening*	Recommended processing equipment	Recommended chemistry	Remarks
		Small Comm. Sheetfed	Large Comm. Sheetfed	Heatset web	Newspaper	Packaging	Books / Posters	UV / metallic inks										
<b>Commercial Plates</b>																		
KODAK SONORA XP & KODAK SONORA UV Process Free Plates	Thermal Process Free	X	X	X		X	X	X		150 mJ/cm <sup>2</sup> (platesetters with SQUARESPOT Imaging) 175 mJ/cm <sup>2</sup> (ACHIEVE Platesetters)	Up to 100,000 sheetfed; up to 200,000 web; up to 50,000 packaging	No postbake capabilities	Up to 10,000 (SONORA XP Plates) Up to 30,000 (SONORA UV Plates)	1 - 99% @ 200 lpi	20 micron stochastic	None required. Un-imaged coating is removed during press start up, eliminating the need for processing equipment	None required. KODAK SONORA XP and SONORA UV Plates use no chemistry	<ul style="list-style-type: none"> <li>Quality and productivity equal to mainstream plates</li> <li>Streamline plate line while achieving better process control</li> <li>Reduce operational costs and environmental impact by removing processors and chemistry</li> <li>Long run lengths for UV and metallic inks (SONORA UV Plates)</li> </ul>
KODAK ELECTRA XD/ACHIEVE EM Thermal Plates	Thermal No Preheat	X	X	X		X	X	X		90 mJ/cm <sup>2</sup> - 130 mJ/cm <sup>2</sup>	Up to 350,000	1,000,000 plus	Must be postbaked	1 - 99% @ 450 lpi (200 lpi on ACHIEVE Platesetters)	10 micron stochastic (36 micron stochastic on ACHIEVE Platesetters)	KODAK T-HDE Plate Processors KODAK T-HDX Plate Processors WISCONSIN Postbake Ovens	KODAK 400 xLo Chemistry System	<ul style="list-style-type: none"> <li>Extraordinary latitude for most imaging, processing and pressroom applications</li> <li>Reliable and consistent imaging with the highest resolution output</li> <li>Excellent image durability and dot stability in unbaked applications</li> <li>Versatility to be postbaked to meet almost any application</li> <li>Low chemistry usage</li> </ul>
KODAK SWORD ULTRA Thermal Plates <i>* available on request</i>	Thermal No Preheat		X	X		X		X		120 mJ/cm <sup>2</sup> - 130 mJ/cm <sup>2</sup>	Up to 400,000	1,000,000	Up to 150,000 unbaked. Postbake for extended UV printing	1 - 99% @ 200 lpi	25 micron stochastic	KODAK T-HDE Plate Processors KODAK T-HDX Plate Processors	KODAK GOLDSTAR PREMIUM Plate Developer	<ul style="list-style-type: none"> <li>No preheat with mid-range resolution and productivity</li> <li>Strong on-press chemical resistance, robustness and performance.</li> <li>Preferred for long run web applications</li> </ul>
KODAK CAPRICORN GT Thermal Plates	Thermal No Preheat	X	X	X		X	X	X		130 mJ/cm <sup>2</sup> - 150 mJ/cm <sup>2</sup>	75,000	1,000,000	Up to 250,000 with postbaking	1 - 99% @ 200 lpi	25 micron stochastic	<ul style="list-style-type: none"> <li>KODAK T-HDE Plate Processors</li> <li>KODAK T-MDE Plate Processors</li> <li>KODAK T-HDX Plate Processors</li> </ul>	KODAK GOLDSTAR PREMIUM Plate Developer	<ul style="list-style-type: none"> <li>Accuracy, consistency, and reliability expected from Kodak's thermal plates</li> <li>Well suited for a wide range of commercial print applications</li> <li>Rapid roll-up to color and excellent ink-water balance</li> <li>Competitive price</li> </ul>
KODAK LIBRA VP Digital Plates	Violet	X						X		30 μJ/cm <sup>2</sup> - 40 μJ/cm <sup>2</sup>	Up to 250,000 (conventional processing) Up to 200,000 (easy chem)		With postbaking	2 - 98% @ 200 lpi	Not applicable	KODAK MERCURY P-HD Plate Processor (for traditional processing) KODAK LIBRA Clean-Out Unit (for easy chem) Also compatible with most market-leading processors and clean-out units.	KODAK LIBRA Clean-OutFinisher Compatible with KODAK206 xLo Violet PlateDeveloper and 206R xLoViolet Plate Replenisher for conventional processing	<ul style="list-style-type: none"> <li>High level of quality, consistency and productivity</li> <li>Option of simplified processing (easy chem) by removing the prewash and rinse steps</li> <li>Single, low pH clean-out finisher</li> <li>Long bath lives (conventional processing)</li> </ul>
<b>Newspaper Plates</b>																		
KODAK SONORA NEWS Process Free Plates	Thermal Process Free				X					150 mJ/cm <sup>2</sup>	Up to 200,000 coldset web	No postbake capabilities	Not applicable	3 - 97% @ 150 lpi	36 micron stochastic	None required. Un-imaged coating is removed during press start up, eliminating the need for processing equipment	None required. KODAK SONORA NEWS Plates use no chemistry	<ul style="list-style-type: none"> <li>Quality and stability of thermal, with even greater process control because processing variables are eliminated</li> <li>High productivity through fast imaging speeds and elimination of processing step</li> <li>Suitable for larger, automated newspaper operations</li> <li>Reduce operational costs and environmental impact by removing processors and chemistry</li> </ul>
KODAK THERMALNEWS GOLDDigital Plates	Thermal Preheat				X					70 mJ/cm <sup>2</sup> - 80 mJ/cm <sup>2</sup>	Up to 200,000	Not applicable	Not applicable	2 - 98% @ 150 lpi	36 micron stochastic for Newspaper applications	• KODAK MERCURY P-HD Plate Processors	KODAK 1090 Thermal Plate Developer	<ul style="list-style-type: none"> <li>Excellent resolution for premium newspaper printing, as well as high-quality colour printing of flyers, inserts and commercial pieces</li> <li>Fast imaging speeds and clean, high-productivity processing for consistent newspaper platemaking</li> <li>Ultra low chemistry consumption with 1090 Developer</li> </ul>
KODAK LIBRA VP Digital Plates	Violet				X					30 μJ/cm <sup>2</sup> - 40 μJ/cm <sup>2</sup>	Up to 350,000 (conventional processing) Up to 300,000 (easy chem)	Not applicable	Not applicable	150 lpi AM, 180 lpi hybrid screening at 1200/1270 dpi	36 micron stochastic for Newspaper applications	<ul style="list-style-type: none"> <li>KODAK MERCURY P-HD Plate Processor (for traditional processing)</li> <li>KODAK LIBRA Clean-Out Unit (for easy chem)</li> <li>Also compatible with most market-leading processors and clean-out units</li> </ul>	KODAK LIBRA Clean-OutFinisher Compatible with Kodak206 xLo Violet PlateDeveloper and 206R xLoViolet Plate Replenisher for conventional processing	<ul style="list-style-type: none"> <li>Fast imaging speeds and resilient on-press performance</li> <li>Option of simplified processing (easy chem) by removing the prewash and rinse steps</li> <li>Single, low pH clean-out finisher</li> <li>Long bath lives (conventional processing)</li> </ul>

Recommended  
 Ideal when postbaked

\* For optimum FM performance, Kodak recommends KODAK STACCATO Screening Technology on KODAK SQUAREspot Imaging Devices.  
 \*\* Dependent on imager type, configuration and resolution.

\*\*\*Dependent on image resolution, press, press chemistry, ink and paper conditions. Stochastic screening will reduce run lengths.

† Dependent on processor configuration