Newspaper Plates

KODAK SONORA XTRA Process Free Plates for Newspapers offer significant improvements over previous SONORA Plates, including stronger image contrast, faster imaging speeds, and more robust handling capabilities, making them ideal for fast-paced newspaper environments.

KODAK SONORA NEWS Process Free Plates enable newspapers to get to press quickly, streamlining plate making and reducing environmental impact by eliminating the processing step, along with its costs and variability, without sacrificing automation, quality, and run lengths.

KODAK THERMALNEWS SP Plates don't require the preheat/prewash step in processing, enabling printers to benefit from high-quality thermal imaging and long run lengths, plus reduce costs and environmental impact.

KODAK LIBRA VP2 Digital Plates, compatible with mainstream violet platesetters and plate line equipment, offer maximised throughput capabilities plus a choice of processing. LIBRA VP2 Plates can be processed conventionally or in an easy chem system, removing the prewash and rinse steps. Improvements over LIBRA VP include faster imaging speeds, higher durability on press under demanding press conditions, a new plate solution with low environmental impact, and cleaner processing.



KODAK DIGITAL OFFSET PLATES

Pocket Guide

Commercial, Packaging and Newspaper Segments

United States and Canada

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Commercial and Packaging Plates

KODAK SONORA XTRA Process Free Plates are the best choice for the majority of printers. Not only do they eliminate processing, they offer significant improvements over previous SONORA Plates, including stronger image contrast, faster imaging speeds, and more robust handling capabilities.

KODAK ELECTRA MAX Thermal Plates are no-compromise plates that offer maximum performance and low environmental impact for commercial and packaging applications, including UV and low-energy UV.

KODAK TRILLIAN SP Thermal Plates combine exceptional performance and reduced environmental impact in a single plate. Printers benefit from high productivity through fast imaging and strong chemical resistance. Long processing cycles and clean processing with a single solution reduce chemistry usage.

KODAK ELECTRA XD Thermal Plates deliver consistent, high-resolution imaging capabilities, and extremely long baked run lengths. When used with the KODAK 400 xLo Chemistry System, ELECTRA XD Plates offer low chemistry usage, extended bath life, and long cycle periods, providing printers with improved uptime and productivity.

Product name	Technology	Small Comm. Sheetfed	Large Comm. Sheetfed	Heatset web	Newspaper	Packaging	Books / Posters	UV / metallic inks	Sensitivity**	Run length unbaked***	Run length baked***	Run length UV inks***	AM screening	FM screening*	Recommended processing equipment	Recommended chemistry	Remarks
KODAK SONORA XTRA Process Free Plates	Thermal Process Free	X	X	X		X	X	X	90 to 120 mJ/cm²	Up to 250,000 sheetfed; up to 400,000 web; up to 100,000 packaging	No postbake capabilities	Up to 100,000	1 - 99% @ 200 lpi; Up to 450 lpi is possible, dependent upon capability of imaging device.	20 micron stochastic	None required. Un-imaged coating is removed during press start up, eliminating the need for processing equipment	None required. KODAK SONORA Plates use no chemistry	• Reduce waste, operational costs, and environmental impact by removing processors and chemistry • Savings both in prepress and on press • Improvements over SONORA X: stronger image contrast, faster imaging speeds, more robust handling capabilities
KODAK ELECTRA MAX Thermal Plates	Thermal No Preheat	X	X	X		X	X	X	90 mJ/cm² - 110 mJ/cm²	Up to 500,000 web; up to 350,000 sheetfed	Can be postbaked for more demanding press conditions and for longer runs	Up to 150,000 unbaked	1 - 99% @ 450 lpi (200 lpi on ACHIEVE Platesetters)	10 micron stochastic (36 micron stochastic on ACHIEVE Platesetters)	• KODAK TI Plate Processors • KODAK T-HDX Plate Processors	KODAK 600 xLo Plate Solution KODAK 600R xLo Plate Replenisher	• No compromise plate • Maximum capabilities for chemical resistance (including UV and low-energy UV), unbaked run lengths, chemistry savings, and resolution
KODAK TRILLIAN SP Thermal Plates	Thermal No Preheat	X	X	X		X	X	X	95 mJ/cm² - 120 mJ/cm²	Up to 500,000	Up to 25% increase	Up to 125,000 unbaked	1 - 98% @ 300 lpi*† (175 lpi on ACHIEVE Platesetters)	20 micron stochastic*† (36 micron stochastic on ACHIEVE Platesetters)	• KODAK TI and T-HDX Plate Processors	KODAK SP500 Plate Solution	• Exceptional on-press chemical resistance and robustness without baking • Very wide imaging and processing latitude for simplified platemaking and stability • Low chemistry usage
KODAK ELECTRA XD Thermal Plates	Thermal No Preheat	X	X	P		P	X	P	90 mJ/cm² - 130 mJ/cm²	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 TI Plate Processors • KODAK T-HDX Plate Processors	KODAK 400 xLo Chemistry System	• Reliable and consistent imaging with the highest resolution output • Versatility to be postbaked to meet almost any application • Low chemistry usage
KODAK SONORA XTRA Process Free Plates for Newspapers	Thermal Process Free				X				90 to 120 mJ/cm² (platesetters with SQUARESPOT Imaging)	Up to 400,000 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 Plates use no chemistry	• Reduce waste, operational costs, and environmental impact by removing processors and chemistry • Savings both in prepress and on press • Improvements over SONORA X: stronger image contrast, faster imaging speeds, more robust handling capabilities
KODAK SONORA NEWS Process Free Plates	Thermal Process Free				X				150 mJ/cm²	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 Plates use no chemistry	• Quality and stability of thermal • Reduce operational costs and environmental impact by removing processors and chemistry
KODAK THERMALNEWS SP Digital Plates	Thermal No Preheat				X				95 mJ/cm² - 115 mJ/cm²	Up to 100,000	>100,000	Not applicable	2 - 98% @ 150 lpi	36 micron stochastic for Newspaper applications	• KODAK T-HDX Plate Processor (no preheat) • KODAK MERCURY P-HD Plate Processor (disable preheat mode)	KODAK SP500 Plate Solution	• Reduce energy and water costs and get to press faster • Uses the shortest heavy-duty processing line available today for newspapers • Uses equivalent or less chemistry than comparable plate solutions including clean out/"chemistry free" plates
KODAK LIBRA VP2 Digital Plates	Violet	X			X			P	30 µJ/cm² - 50 µJ/cm²	Up to 350,000	Not applicable	Not applicable	Newspapers: 150 lpi AM and 180 lpi hybrid at 1200/1270 dpi Commercial Applications: 200 lpi AM at 2400/2540 dpi	Not applicable	• KODAK MERCURY P-HD Plate Processor (for traditional processing) • KODAK LIBRA P-HD 850 Clean-Out Unit (for easy chem) Also compatible with most market-leading processors and clean-out units.	KODAK COF-2 Plate Solution; compatible with conventional and easy chem processing	• Fast imaging speeds and resilient on-press performance • Single plate solution with a neutral pH for low environmental impact • Excellent processor cleanliness • Option of simplified processing (easy chem) by removing the prewash and rinse steps • Long bath lives (conventional processing)

X = Ideal **P** = 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.

Note: Kodak continues to sell our legacy plates with no plans to discontinue them at this time. Information in this pocket guide is subject to change at any time.