



KODAK THERMALNEWS SP DIGITAL PLATES

Highly robust, no preheat plate for newspaper applications

No preheat, plus thermal quality

With the KODAK THERMALNEWS SP Digital Plate, you can remove preheat and prewash from processing to significantly reduce energy and water usage, without compromising on-press performance. With the stability of thermal imaging and high resolutions for both AM and FM newspaper printing, you can deliver high-quality print while improving efficiency and reducing environmental impact.

Good news for the environment

With the THERMALNEWS SP Plate, you can reduce your energy usage by up to 60% by using the no preheat KODAK T-HDX Plate Processor, compared to using a preheat processor, such as the KODAK MERCURY P-HD Plate Processor, and you can also reduce water usage by eliminating prewash. The no preheat KODAK T-HDX Processor reduces the length of your plate line by 1.19 meters, providing the shortest heavy-duty processing line in the industry. You can also save energy and water wusing your existing processing equipment simply by turning off preheat/prewash, so there is no need to buy a new processor.

Extremely robust

THERMALNEWS SP Plates are designed for excellent chemical resistance and image durability without postbaking. They can achieve run lengths of up to 100,000 impressions, even in harsh chemical environments.

Long processing cycles

In addition, the THERMALNEWS SP Plate has longer processing cycles and uses equal or less developer than competitive solutions, including "chemistry free" plates. Longer cycles mean fewer developer changes for fewer interruptions, more uptime, and reduced cleaning expenses.

High-quality printing

THERMALNEWS SP Plates provide high resolutions for both AM and FM newspaper printing. Excellent resolution enables premium newspaper printing as well as color printing of flyers, inserts, and related commercial pieces.



KODAK THERMALNEWS SP

DIGITAL PLATES

Technical specifications	
Plate	Negative working, no preheat thermal plate, offering extra durability if postbaked
Application	Newspaper applications
Substrate	Electrochemically grained and anodized aluminium substrate
Gauge	0.30 mm For other available gauges, please contact your local supplier of products from Kodak.
Plate size	All standard newspaper sizes
Spectral sensitivity	800 – 850 nm
Platesetter compatibility	Recommended: KODAK GENERATION NEWS, KODAK TRENDSETTER NEWS and KODAK NEWSSETTER Platesetters
Laser energy required	95 - 115 mJ/cm ² Dependent on imager type, configuration and resolution.
AM resolution	2 - 98% @ 300 lpi Dependent upon capability of imaging device.
FM resolution	36-micron stochastic for newspaper printing applications Dependent upon imaging device capabilities and screening algorithms. For optimum FM performance, Kodak recommends KODAK STACCATO or KODAK STACCATO CX Screening on KODAK SQUARESPOT Imaging Technology Devices.
Processors	Recommended: <ul style="list-style-type: none"> • KODAK T-HDX Plate Processor • KODAK MERCURY P-HD Plate Processors (disable preheat and prewash) For other approved processors, please contact your local supplier of products from Kodak.
Developer	KODAK SP500 Plate Solution
Run length	Up to 100,000 impressions unbaked with no preheat/prewash Dependent upon image resolution, press, press chemical, ink and paper conditions.
Safelight	Up to 1 hour under standard office lighting; up to 4 hours is possible under Encapsulite C20 UV-cut and up to 6 hours for G10 Yellow safelights
Packaging	Available in all standard formats, including bulk packaging options

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