



## **KODAK THERMALNEWS PT** DIGITAL PLATES

# Highly robust, no preheat plate for newspaper applications

### **Have it all with a versatile plate**

With the KODAK THERMALNEWS PT Digital Plate, you can remove preheat and prewash from processing and maintain the same excellent performance that you have today. The THERMALNEWS PT Plate allows you to eliminate the preheat step in processing to significantly reduce energy usage, without compromising on-press performance.

Alternatively, for those printers who need to print very long runs with one plate, you can keep the preheat. Whichever way you run the plate, with preheat or without, you get the stability of thermal imaging, high resolutions for both AM and FM newspaper printing, and low chemistry consumption.

### **Good news for the environment**

With the THERMALNEWS PT 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 using your existing processing equipment, simply by turning off preheat/prewash, so there is no need to buy a new processor.

### **Most robust thermal plate available**

If you require a really robust plate, you can use a processor with preheat and achieve up to 350,000 impressions. Even higher run lengths are possible with baking.

### **Long processing cycles**

In addition, the THERMALNEWS PT 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**

No matter if you choose to run them with preheat or without, THERMALNEWS PT Plates provide high resolutions for both AM and FM newspaper printing. Excellent resolution enables premium newspaper printing as well as colour printing of flyers, inserts, and related commercial pieces.



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## DIGITAL PLATES

### Technical specifications

<b>Plate</b>	Negative working, thermal digital plate with no preheat/prewash; optional preheat/prewash for longer run lengths
<b>Application</b>	Newspaper applications
<b>Substrate</b>	Electrochemically grained and anodised aluminium substrate
<b>Gauge</b>	0.30 mm For other available gauges, please contact your local supplier of products from Kodak.
<b>Plate size</b>	All standard newspaper sizes
<b>Spectral sensitivity</b>	800 – 850 nm
<b>Platesetter compatibility</b>	Recommended: KODAK GENERATION NEWS, KODAK TRENDSETTER NEWS, ACHIEVE NEWS and KODAK NEWSSETTER Platesetters
<b>Laser energy required</b>	65 - 70 mJ/cm <sup>2</sup> Dependent on imager type, configuration and resolution.
<b>AM resolution</b>	1 - 98% @ 150 lpi Dependent upon capability of imaging device.
<b>FM resolution</b>	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.
<b>Processors</b>	Recommended: <ul style="list-style-type: none"> <li>• KODAK T-HDX Plate Processor (no preheat)</li> <li>• KODAK MERCURY P-HD Plate Processors (can be used either in preheat or no preheat mode)</li> </ul> For other approved processors, please contact your local supplier of products from Kodak.
<b>Developer</b>	<ul style="list-style-type: none"> <li>• KODAK SP500 Plate Solution</li> </ul>
<b>Run length</b>	<ul style="list-style-type: none"> <li>• Up to 200,000 impressions unbaked with no preheat/prewash</li> <li>• Up to 350,000 impressions unbaked with preheat/prewash</li> <li>• &gt;350,000 impressions baked with preheat/prewash</li> </ul> Dependent upon image resolution, press, press chemical, ink and paper conditions.
<b>Safelight</b>	For manual handling and platesetter loading, operate under yellow safelight
<b>Packaging</b>	Available in all standard formats, including bulk packaging options

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