

Kodak

ThermalNews PT Digital Plates



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. With the same run length capability as the **Kodak ThermalNews Gold** Digital Plate, the **ThermalNews PT** Plate lets you cut costs and reduce impact on the environment.

The **ThermalNews PT** Plate is the only processed newspaper plate that eliminates the preheat step in processing to significantly reduce energy usage, without compromising the proven on-press performance you expect from **ThermalNews Gold** Plates. Violet plates, because of their technology, must have a preheat step, so now there's one more reason for newspaper printers to choose thermal imaging, in addition to remarkable stability and less restrictive safelight requirements.

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 **ThermalNews Gold** Plates with 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. The innovative **ThermalNews PT** Plate processing solution provides consistent, stable plate quality over the full duration of the cycle.

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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Technical specifications

Plate	Negative working, thermal digital plate with no preheat/prewash; optional preheat/prewash for longer run lengths
Application	Newspaper applications
Aluminium	Electrochemically grained and anodised aluminum 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 Newsetter Platesetters
Laser energy required	65 mJ/cm ² - 70 mJ/cm ² Dependent on imager type, configuration and resolution.
Resolution	1 - 98% at 150 lpi Dependent upon capability of imaging device.
FM capability	36 micron for newspaper printing applications For optimum FM performance, Kodak recommends Kodak Staccato or Kodak Staccato CX Screening on devices with Kodak SQUARESPOT Imaging Technology. For details, please contact your local supplier of products from Kodak.
Processors	Recommended: <ul style="list-style-type: none">• Kodak T-HDX Plate Processor (no preheat)• Kodak Mercury P-HD Plate Processors (can be used either in preheat or no preheat mode) For other approved processors, please contact your local supplier of products from Kodak.
Developer	<ul style="list-style-type: none">• Kodak SP500 Plate Solution or Kodak SP500B Plus Plate Solution (dependent on regional availability)• Kodak 1090 Thermal Plate Developer (where dual processing with ThermalNews Gold Plates is required)
Run length	<ul style="list-style-type: none">• Up to 200,000 impressions unbaked with no preheat/prewash• Up to 350,000 impressions unbaked with preheat/prewash• >350,000 impressions baked with preheat/prewash Dependent upon image resolution, press, press chemical, ink and paper conditions.
Safelight	For manual handling and platesetter loading, operate under yellow safelight.
Shelf life	12 months, under recommended storage conditions
Packaging	Available in all standard formats, including bulk packaging options

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