

# Kodak

## Thermal Direct Non Process Plates



### **Eliminate plate processing and post-imaging treatment requirements**

Kodak Thermal Direct Non Process Plates develop on press, eliminating the need for a plate processor. Imagine what you won't have to deal with: the cost of buying and maintaining a processor, the logistics of electrical and plumbing connections, chemistry purchase, storage, handling and disposal. It all goes away. Thermal Direct Plates do not even require rinsing, cleaning or gumming. Just image, mount on press, and print.

### **Faster platemaking means more jobs on press**

The platemaking cycle is shorter with Thermal Direct Plates. In a short run, quick turnaround production environment, these plates deliver the productivity you need to increase efficiency and profitability.

### **Simplicity, with the quality of thermal CTP**

Kodak Thermal Direct Plates provide the quality, resolution, accuracy, reliability and repeatability you expect from Kodak Thermal Plates, without the need to install and maintain a plate processor. Eliminating plate processing not only removes a cost center, it removes a source of variability. With Thermal Direct Plates, the image you write in the platesetter is, quite simply, the image you take to the press.

### **Easy set-up, easy drop-in**

A CTP system using Thermal Direct Plates is easy to set up, saving time and money. The plate is compatible with most thermal platesetters, requiring only minimal adjustment to imaging parameters. Its traditional grained and anodized aluminum surface gives it a familiar look and feel, and demonstrates wide on-press latitude.

### **Environmentally responsible**

Thermal Direct Plates offer cost and environmental benefits with no additional water and electric consumption. No plate processor means no plate processor waste. Say goodbye to neutralization or pre-treatment procedures. Thermal Direct Plates eliminate all handling and disposal issues.

### **A legacy and future of innovation**

Kodak is a world leader in digital plates. We invented thermal CTP technology in 1995 and have been committed to delivering innovative digital plate solutions ever since.

# Kodak Thermal Direct Non Process Plates

## Technical specifications

Plate	Write-the-image, non ablative, negative working thermal digital plate: develops on press without the use of chemistry, offering a true non process, eco-friendly, sustainable plate.
Application	High quality short to medium run sheetfed applications
Substrate	Electrochemically grained and anodized aluminum substrate
Gauge	0.14mm, 0.20mm and 0.30mm availability in selected regions Please contact your local supplier of products from Kodak for size and gauge availability by region.
Spectral sensitivity	800 - 850 nm
Platesetter compatibility	Recommended: <b>Kodak Trendsetter</b> , <b>Kodak Lotem</b> and <b>Kodak Magnus</b> Platesetters, excluding all 20W devices. <b>Kodak</b> Devices with 20W heads are not compatible with <b>Thermal Direct</b> Non Process Plates.
Laser energy required	325 mJ/cm <sup>2</sup> Dependent on imager type, configuration and resolution.
Resolution	1% to 99% @ 175 lpi; 1% to 98% @ 200 lpi Dependent upon capability of imaging device.
FM capability	25 micron stochastic Dependent upon imaging device capabilities and screening algorithms. For optimum FM performance, Kodak recommends <b>Kodak Staccato</b> Screening on <b>Kodak SQUAREspot</b> Imaging Technology Devices.
Run length	100,000 impressions Dependent upon image resolution, press, press chemical, ink and paper conditions.
Safelight	The plate can be handled before and after imaging safely for up to 1 hour under white light and 4 hours under yellow light.
Shelf life	12 months, under recommended storage conditions
Packaging	Available in all standard formats, including bulk packaging

### To learn more about solutions from Kodak:

Visit [graphics.kodak.com](http://graphics.kodak.com)

Produced using Kodak Technology.

Eastman Kodak Company  
343 State Street  
Rochester, NY 14650 USA

©Kodak, 2009. Kodak, Lotem, Magnus, SQUAREspot, Staccato, Thermal Direct and Trendsetter are trademarks of Kodak.

Subject to technical change without notice.

U.PC.801.0209.en.04 (K-225)

The Kodak logo is displayed in a bold, red, sans-serif font. It is positioned in the lower right quadrant of the page, partially overlaid by a large, stylized yellow arrow graphic that points towards the top right corner.