

Kodak

Electra XD

Thermal Plates



On-press stability and durability

Kodak **Electra** XD Thermal Plates represent an innovative new technology platform built upon the legacy of the world's best-selling digital thermal plate: the **Kodak Electra Excel** Thermal Plate.

Electra XD Plates perform exceptionally well in prepress and in the pressroom, where they are rated for up to 500,000 impressions without baking. These plates deliver unparalleled stability and latitude in imaging, processing, and on-press performance.

Patented custom polymer design results in outstanding durability and dot stability on press, providing excellent colour control and consistent reproduction throughout the full press run — every time.

High quality and efficiency

Electra XD Plates deliver extraordinarily sharp detail and stability from mid-to long-run AM and FM applications, reducing plate remakes and variation due to dot wear and sharpening while maximising productivity in the pressroom. The elimination of preheating, as well as fast imaging and processing, helps maximise total throughput of the complete prepress imaging system.

Electra XD Thermal Plates offer an exceptional combination of quality, stability, productivity, consistency and durability, making them an excellent choice for high-quality commercial and publication printing — from the shortest to the longest run jobs.

Minimising environmental impact

Compatible with most alcohol substitute and replacement fount systems and with good resistance to pressroom chemicals, **Electra** XD Plates enable printers to keep up with today's environmental and business demands. Press makereadies are extremely efficient with these premier plates, minimising paper and ink waste while maintaining wide latitude on press.

The chemical and mechanical durability of **Electra** XD Plates means that postbaking is required only in the most extreme environments, such as UV print applications, harsh paper or chemical conditions, or extreme run lengths.

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 Electra XD Thermal Plates

Technical specifications

Plate	Non-ablative, positive working, thermal digital plate with wide operating latitude; optional postbake for extremely long runs, though required for optimal resistance to aggressive press chemistry such as UV inks and blanket washes.
Application	High quality medium to long run sheetfed and heatset web / coldset web offset applications
Substrate	Electrochemically grained and anodised aluminum substrate
Gauge	0.15mm, 0.30mm and 0.40mm standard, with 0.20mm and 0.24mm 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: Kodak Trendsetter , Kodak Lotem and Kodak Magnus Platesetters Other compatible platesetters: Screen PT-R Platesetters, Heidelberg Topsetter and Suprasetter Platesetters, and Luscher Xpose! Platesetters
Laser energy required	90 mJ/cm ² - 110 mJ/cm ² with Kodak 300 Thermal Plate Developer Dependent on imager type, configuration and resolution.
AM Resolution	1% to 99% @ 450 lpi Dependent upon capability of imaging device.
FM Resolution	10 micron stochastic Dependent upon imaging device capabilities and screening algorithms. For optimum FM performance, Kodak recommends Kodak Staccato Screening on Kodak SQUAREspot Imaging Technology Devices.
Processors	Recommended: Kodak Mercury T-HD Plate Processors For other approved processors, please contact your local supplier of products from Kodak.
Developer	Kodak 300 Thermal Plate Developer
Run length	500,000 impressions unbaked; 1,000,000 plus baked Dependent upon image resolution, press, press chemical, ink and paper conditions.
Safelight	None required - daylight handling
Shelf life	12 months, under recommended storage conditions
Packaging	Available in all standard formats

To learn more about solutions from Kodak,
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Produced using Kodak technology

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