

# Kodak

## Sword Ultra Thermal Plates



### **Non-preheat plates deliver up to 400,000 impressions without baking**

Kodak **Sword Ultra** Thermal Plates deliver exceptional quality and durability. These plates are ideal for printers who need a robust CTP plate, require high productivity, and want to avoid the space, cost and time consumed by postbake ovens.

**Sword Ultra** Plates are rated for up to 400,000 impressions unbaked. Plus, you have the option to postbake and achieve run lengths of over one million impressions. They deliver exceptional on-press performance in the most demanding printing environments, including those that use UV and metallic inks and alcohol-free founts. The high resolution and precise colour reproduction provided by **Sword Ultra** Plates mean top quality results.

### **Patented two-layer coating technology enhances CTP productivity**

**Sword Ultra** Plates have a state-of-the-art two-layer coating that provides on-press durability without postbaking. Eliminating the need for postbaking and reducing the need for remakes on long runs significantly improves productivity. The two-layer coating also provides wide processing latitude, which translates to greater stability and repeatability.

### **Dedicated chemistry for clean-working operation**

Kodak **Sword Ultra** Thermal Plates use highly efficient and clean-working positive processing. Using dedicated **Kodak** Chemistry helps reduce your costs and supports a trouble-free operation. **Kodak Goldstar Premium** Plate Developer provides a long developer life cycle and exceptional dot stability for **Sword Ultra** Plate processing.

### **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. **Sword Ultra** Plates provide the quality, reliability and repeatability you expect from **Kodak** Thermal Plates. These plates are an excellent choice for packaging and commercial printing applications.

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## Technical specifications

Plate	No preheat, positive working, thermal digital plate with excellent chemical and press durability; optional postbake for longer runs
Application	Very long run and UV print applications
Aluminium	Electrochemically grained and anodised aluminium 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 - 850nm
Platesetter compatibility	Recommended: <b>Kodak Trendsetter</b> , <b>Kodak Lotem</b> and <b>Kodak Magnus</b> Platesetters Other accredited platesetters: <b>Screen</b> PT-R Platesetters, <b>Heidelberg Topsetter</b> and <b>Suprasetter</b> Platesetters
Laser energy required	120 mJ/cm <sup>2</sup> - 130 mJ/cm <sup>2</sup> Dependent on imager type, configuration and resolution.
Resolution	1% to 99% @ 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.
Processors	Recommended: <b>Kodak Mercury</b> T-HD Plate Processors For other approved processors, please contact your local supplier of products from Kodak.
Developer	<b>Kodak Goldstar Premium</b> Plate Developer
Run length	400,000 impressions unbaked 150,000 impressions for UV ink applications 1,000,000 plus impressions baked Dependent upon image resolution, press, press chemical, ink and paper conditions.
Safelight	Daylight handling
Shelf life	12 months, under recommended storage conditions
Packaging	Available in all formats, including standard bulk packaging options
Availability	Full release, though availability may vary by region. Please contact your local sales representative of <b>Kodak</b> Plates for more information.

### To learn more about solutions from Kodak:

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

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