



TI2240

Revised 4-98

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KODAK Recording 2000 Film ALD KODAK Recording 2000 Film ALDM

Features / Customer Product Specifications

System

- Intelligent communication between imagesetter and processor
- Integrated quality control of the development process
- Automatic mixing of the processing chemicals
- Reduction in the consumption of chemicals and water
- Highly accurate replenishment, maintains system stability
- Reduced dry-to-dry time, which increases productivity
- Immediate on-line help and system diagnostics
- Environmentally friendly

Film

- A new high-contrast silver halide film with Hard Dot Image Technology
- Optimized for exposure to red laser diode at 670 nm
- Produces hard dots and very sharp images
- Designed for rapid (shorter) film development times (24 sec)

General Description

The new product is an “intelligent” in-line imagesetting system comprised of three modules; media, imagesetter, and a processor with chemical management.

Output is on high contrast silver halide film developed through a conventional four stage (developer / fix / wash / dry) rapid access process, using low replenishment rate, high capacity chemicals. This film is bar coded to communicate with the imagesetter (CAT Number, film type, coating and roll number, film sizes, and film parameters such as speed).

The key technical advantage of the system compared to existing systems is derived from communication between the system components to achieve total process control without the need for intervention by the customer.

Safelight Recommendations

Handling in total darkness is preferred. However, if a safelight must be used, use an EncapSulite T30/ND 1.75 or equivalent. Keep the film at least 1.2 metres (4 feet) from the safelight. Do not expose the film to safelight illumination for longer than one minute.

Storage

Keep unexposed film and processed film in a cool, dry place, preferably at a temperature of 70°F (21°C) or lower and 50% RH.

Mechanized Processing

NOTICE! Observe precautionary information on product labels and on the Material Safety Data Sheets.

The recommended starting point for automatic development and replenishment, using KODAK RA 2010 Developer Replenisher for Advantage systems with chemical drawer is:

- Advantage Processors 24 seconds at 95°F (35°C)

Non-Automatic Usage:

Tank Turnovers Per Week	Percent Exposed Area	Basic Replenishment Rates
Minimum of 1	50%	0.30 mL/sq in. (465 mL/sq m)
Minimum of 1	90%	0.60 mL/sq in. (930 mL/sq m)

The Kodak products mentioned in this document may not all be available in all regions or countries. Contact your local distributor or sales representative for availability.

If you have questions or need assistance, contact your local Kodak Polychrome Graphics representative or visit our web site: www.kpgraphics.com.

In the US, call the Kodak Information Center at 1-800-242-2424, ext. 724.

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EASTMAN KODAK COMPANY - Rochester, NY 14650

End of Instruction Sheet



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1) Introduction

The Advantage System from Kodak and Linotype-Hell is an “intelligent system” that features a microprocessor that enables the imagesetter to communicate with the processor. The system is comprised of a modified Linotype-Hell Herkules imagesetter, a new processor design from Glunz and Jensen with a modified conveyor, KODAK Recording 2000 Films ALD and ALDM, and KODAK 2010 Processing Solutions.

Features of the film include hard dots, excellent image quality, rapid access processing, and Kodak’s patented integrated booster technology. The Advantage System also features improved productivity and cost savings. Customers can expect to experience a substantial cost savings in processing chemicals, primarily because this system features automatic, regulated replenishment and only replenishes only those areas to be developed.

Preparing the Processor

Connect the wash additive to clear the hose with fitting. Connect the fixer concentrate to the blue hose with fitting.

Mix the developer replenisher (KODAK RA 2012 Developer Replenisher) in the replenisher container, 1 part concentrate + 2 parts water. Each 10-liter container makes 30 liters. Mix well, cover the floating lid and top cover.

Manually fill both wash tanks. Fill developer tank to overflow level with developer starter (KODAK RA 2010), approximately three 8-liter containers are needed.

Turn on processor, wait for ready light to start imaging process. The imagesetter will not function until the processor is on-line and ready.

Loading the Film

The film must be KODAK Recording 2000 Film ALD or ALDM. KODAK Scanner 2000 Film SLD will not work with the Advantage System. Cycle times, chemicals and films are matched to work with the advanced intelligence of the system. Also, there are no intermix opportunities today.

Load the initial roll, scan the barcode, and follow the prompts at the Herkules display panel. Instructions are also included in the training manual provided by Linotype-Hell. Calibrate the initial roll using Lino Utilities 8.1. Instructions are also included in the training manual.

2) Support

Dimensionally stable support:

ALD/ALDM	4 mil (0.004 in., 0.10 mm)	ESTAR Base
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3) Dimensional Stability

Determined in accordance with ISO Standard.

Dimensional stability is an all-inclusive term. In photography, it applies to size changes caused by changes in humidity and in temperature, and by processing and aging. The absence of solvent in ESTAR Base is one of the reasons why

ESTAR Base films show excellent dimensional stability. The dimensional properties of ESTAR Base may vary slightly in different directions within a sheet; the differences that may exist, however, are not always aligned with the length and width directions

Differences in size change between length and width should be within 10 percent of each other.

4) Graphs¹

Characteristic

A) KODAK RA 2010 Developer Replenisher (To Be Supplied)

Spectral Sensitivity

B) KODAK RA 2010 Developer Replenisher (To Be Supplied)

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End of Data Sheet

¹NOTICE: While the data presented are typical of production coatings, they do not represent standards that must be met by Kodak. Varying storage, exposure, and processing conditions will affect results. The company reserves the right to change and improve product characteristics at any time.