Kodak Screening Solutions

Maxtone Screening Technology: A hybrid of AM and FM screening technology. Useful for flexo packaging and other applications, to overcome highlight and shadow reproduction limitations. **Maxtone** comes in three variations, each of which can be used in various printing conditions:

Product Name	Description	Offset	Flexo LAM	Flexo NX	Flexo Direct
Maxtone AM Screening	Standard AM Screen—wide choice of rulings, angles, and dot shapes.	✓	✓	✓	✓
Maxtone CX Screening	Hybrid screen with user configurable highlight and shadow dots. Highlights and shadows dots on AM grid.	✓	✓	✓	✓
Maxtone SX Screening	An innovative hybrid screening technology with smoother highlights that improve overall image quality. Supports eliminating visible transitions on a wide range of minimum dot sizes.	✓	✓	✓	✓
Maxtone FX Screening	Hybrid Screen with user configurable highlight and shadow dots. Highlight and shadows dots are FM. Transition from FM to AM is fast.	✓	✓	✓	✓

Staccato Screening Technology: Advanced, second-order FM screening technology that produces high-fidelity, continuous tone images with fine detail and an extended color gamut:

Product Name	Description	Offset	Flexo LAM	Flexo NX	Flexo Direct
Staccato Screening	**Staccato** screening produces high-fidelity, continuous tone images that exhibit fine detail and an extended color gamut, creating a photographic experience free of visible printing artifacts, such as subject moiré and rosettes.	✓			
Staccato NX	**Kodak Staccato NX** Screening offers a configurable second-order screening algorithm for use with the **Kodak Flexcel NX** to maximize reproduction of artwork for flexographic printing.			✓	

Kodak HyperFlex Screening Technology: Produces smaller, more stable dots on flexographic plates, allowing highlights to be reproduced more faithfully, with a less discernible transition in blends or vignettes:

Product Name	Description	Offset	Flexo LAM	Flexo NX	Flexo Direct
Kodak HyperFlex Imaging Software	User defined minimum dots sizes to fill highlight AM grid points. (minimum dots are limited to halftone frequency)		✓	✓	
Kodak HyperFlex Advanced	User defined minimum sized dots at device resolution placed around dots. (Added pixels are not limited to halftone frequency, i.e. can be added between dots.)		✓		
Kodak HyperFlex NX Imaging Software	High definition 5x10micron light valves added around highlight dots for improved dot stability and consistency.			✓	

Kodak DigiCap Imaging Technology: Applies a user definable texture pattern to the surface of a flexo printing plate to improve ink transfer and the appearance of solid areas.

Product Name	Description	Offset	Flexo LAM	Flexo NX	Flexo Direct
Kodak DigiCap Imaging Software	User configurable pattern applied over halftone pattern. Pattern is at device resolution.		✓		
Kodak DigiCap NX Patterning	Patterning applied to screened 1-bit files. The patterns impart texturization to the plate surface enabling improved ink laydown. Six different patterns are supported. Each pattern is optimized for different print applications.			✓	