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Technical bulletin

Migrating from Heidelberg to Kodak Screen Systems

Due to changes within the architecture of *Prinergy* 3.0 and 3.1 workflow management software, Kodak no longer provides support for the following *Heidelberg* screen systems: *Diamond*, *HQS*, *IS* and *RT*. We recommend that customers use Kodak *Creosettes* and *Staccato* stochastic screening software to ensure continued seamless production. This document provides you with general guidelines to change your screen system settings to minimize the effects on print output.

Kodak Creosettes and Staccato screen system technologies make it possible to request a wide range of screen angles and frequencies. They also make it possible to generate high screen rulings without compromising grey levels to produce quality output. For more information about screen systems listed in this document, refer to the Prinergy 3.0 Connect Online Help (from the index, search for *screen systems*).

The table below lists some possible screen settings to help you migrate from Heidelberg to Kodak screen system technologies. These settings will not produce exactly the same output, but the results will be similar. We recommend that you recalibrate your screens with *Harmony* software, so that you do not get unexpected color shifts in your output. The following table provides some reference for changing your screen settings, but it is not a complete list. If you cannot find a match, contact the Response Centre for additional help.

Settings for Migrating from Heidelberg to Kodak Screen Systems

Heidelberg	Kodak	Notes
Screen Systems		
Diamond	Staccato	Prinergy 3.1 customers will automatically receive a free license for Staccato versions 20.1, 31.1, 42.1 and 63.1 as a replacement for Diamond.
HQS CMYK+7.5°	Creosettes +7.5 CMYK 7.5-67.5-82.5-37.5	Swap C&M in process plan
HQS Classic	Creosettes CMYK 75-15-90-45	
HQS Y fine	Creosettes Y-fine	
HQS Y30°	Creosettes Y30	Swap C&M in process template
HQS Y60°	Creosettes Y60	Swap C&M in process template

Heidelberg	Kodak	Notes
IS Classic	Creosettes	Swap M&K angles in process plan
IS CMYK +7.5	Creosettes +7.5 22.5-52.5-82.5-7.5	Swap C&K angles in process plan
IS Y-fine	Creosettes Y-fine	Swap C&M angles in process plan
IS Y60	Creosettes Y60	
IS Y30	Creosettes Y30	Swap C&M angles in process plan
RT Classic	Creosettes RT01 Y0K45	
RT Y45° K fine	Creosettes RT04 Y45K45-fine	
Dot Shapes		
Checker	Square	
Diamond	Staccato	
Elliptical	Light Elliptical	
Heavy Elliptical	Heavy Elliptical	
Light Elliptical	Light Elliptical	
Line	Line	
Round	Round	
Round-Square	Round-Square	
Smooth Elliptical	Heavy Elliptical	
Dot Shape Sizes for Staccato		
20	20.1	
31	31.1	
42	42.1	
63	63.1	
Rulings		
Feature Size (2400 dpi, Diamond)		
21	20.1	
31	35	
42	40	
63	70	
Ruling (2400 dpi, HQS CMYK+7.5°, HQS Classic, HQS Y fine, HQS Y30°, HQS Y60°)		
85	85	

Heidelberg	Kodak	Notes
110	110	
120	110	
133	133	
150	141	
175	175	
200	190	
Ruling (2400 dpi, IS Classic)		
133	125	
150	141	
175	175	
200	190	
Ruling (2400 dpi, IS +7.5)		
133	136	Check “Override Increased Yellow Ruling” in process plan
150	154	Check “Override Increased Yellow Ruling” in process plan
175	176	Check “Override Increased Yellow Ruling” in process plan
200	200	Check “Override Increased Yellow Ruling” in process plan
Ruling (2400 dpi, IS Y60/Y30)		
133	126	Check “Override Increased Yellow Ruling” in process plan
150	141	Check “Override Increased Yellow Ruling” in process plan
175	175	Check “Override Increased Yellow Ruling” in process plan
200	190	Check “Override Increased Yellow Ruling” in process plan
Ruling (2400 dpi, IS Y-fine)		
175	175	
Ruling (2400 dpi, RT Classic, RT Y45° K fine)		
85	85	
110	110	
120	120	
133	133	
150	150	
175	175	
200	200	

About Kodak Graphic Communications Group (GCG)

The leading provider of graphic communications solutions worldwide, Kodak's Graphic Communications Group (GCG) offers image capture systems; professional color, copydot, and high-speed document scanning systems; inkjet printing and proofing systems; workflow and color management software; thermal imaging devices for film, plates, and proofs; high-quality proofing media, printing plates, and recording film; on-demand color and black-and-white printing systems; data storage products; and professional services. Creo joined the GCG in June 2005, when it became a wholly owned subsidiary of Kodak. With corporate headquarters located in Rochester, N.Y., Kodak (NYSE: EK) had sales of $13.5 billion in 2004 and is committed to a digitally oriented growth strategy.

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