

Prinergy 1.1 and Kodak Approval

A Guide for Creo Sales and TSS

March 16, 2000

Creo Products Inc.
3700 Gilmore Way
Burnaby, BC
Canada V5G 4M1

(604) 451-2700

Copyright 2000 Creo Products Inc. All rights reserved.

Revision History

Revision	Date	Author	Comments
1.0	01/11/2000	DJ Dunkerley	Original release
1.5	03/15/200	DJ Dunkerley	Dropping of AIT software, direct connection

Creo Products Inc.

Prinergy 1.1 and Kodak Approval
A Guide for Creo Sales and TSS

CONTENTS

1. Introduction 1

2. Kodak Approval XP2 and XP4 1

3. Kodak Approval Classic 2

4. Future Developments 3

1. INTRODUCTION

In the past, there has been much trouble connecting Prinergy 1.1 systems to Kodak Approvals in the field, due in last part to various "flavors" and configurations that can be found. Indeed, it could be said that the Kodak Approval is not really a device, but a "family" of devices. This document will explain what Heidelberg/CREO sales need to communicate to the customer in order to set proper expectations.

Short summary (For those who don't want to read the rest of this doc):

For Kodak XP4 and XP2: Customer must have either Harlequin 4.5 or 5.1 version of their Kodak RIP running on a Kodak Workstation. The Workstation must be upgraded to 512 Megs of RAM.

For Kodak Classics: Customer must have Harlequin 4.5 RIP installed on a Kodak workstation. The Workstation must be upgraded to minimum 384 Megs of RAM, preferably 512 Megs.

2. KODAK APPROVAL XP2 AND XP4

The XP devices can be either a 2400 or 2540 dpi (requires field upgrade to change after leaving the factory). It was released in 1999, and Kodak claims that there are 300 shipped worldwide. It can image either 2 A4 pages (XP2) or 4 (XP4).

It used to be mandatory that third-party software, known as AIT, was sold with every Prinergy system that had to connect to either an XP2 or XP4. **This requirement has been dropped.** Instead, Prinergy can now connect to the Kodak Approval via the Kodak RIP (Harlequin 4.5) by spooling DCS files.

However, the customer **MUST** upgrade their Kodak workstations to 512 Megs of RAM or else they will encounter bottlenecks in RIPing. For example, with the extra RAM, customers can expect RIP times (through the Harlequin 4.5) of no more than 15 minutes per 4-up flat. These times are adequate enough to drive the XP4 at engine speed. But with only 256 Megs of RAM, that same file could take 25 minutes or more.

Virtually all of the Kodak Workstations that have been shipped with the XP4 are Windows NT Intel boxes manufactured by Intergraph. Even though 256 Megs of RAM come standard with the Intergraph box, it is quite possible that the customer will have to purchase 4 x 128 Megs of RAM. That is to say, the customer may have to purchase 512 Megs of RAM and throw away the RAM inside!

The Intergraph server is model TDZ 2000 GX1 with motherboard MS 440GX that has only 4 slots for RAM. Note that 64 Megs modules & 128 Megs modules CANNOT peacefully co-exist with the 256 meg and 512 megs modules. Since most workstations

come with 4x64 Megs plugged into all 4 slots, the customer will have to buy either 4x128 Megs or 2x256 Megs to get the box upgraded to 512 Megs of RAM.

Finally, CREO field apps are not responsible for RAM upgrade to Kodak workstations in the field. The customers must do it themselves or place a call with Kodak. The memory chip manufacturer "Simple Technology" sell both the 128 Meg (SDRAM DIMM 100MHz ECC IMI 931 523) or the 256 Meg (SDRAM DIMM 100MHz ECC IMI 931 534) modules.

3. KODAK APPROVAL CLASSIC

Connectivity to the Approval Classic via the Kodak (Harlequin 4.5 RIP) is in Production, but CREO sales must ensure that the customer knows to upgrade the Kodak workstation with an extra 256 Megs of RAM.

Prinergy **CANNOT** use the AIT software to connect to the Classic Approval. Currently Kodak has a AIT software that would be packaged with a special controller card but CREO has **NOT** tested nor accepted this connectivity solution. In order to convert a Kodak Classic that was formerly driven by a Scitex direct connection, the customer must first purchase a workstation from Kodak that has the Harlequin 4.5 RIP installed.

The Approval Classic is an 1800 dpi device that can image up to 2 A4 pages on a single media. It was released in approximately 1995 and Kodak claims an installation base of 500. Kodak no longer sells this device.

The workstation sold by Kodak only comes with either 128 or 256 Megs of RAM. It has been confirmed in current field installations that a tabloid-size EPS raster file produced by Prinergy can be larger than 256 Megs. A RAM bottleneck can occur if the Kodak workstation is not upgraded to at least 384 Megs of RAM.

The customers must upgrade the RAM on the Kodak Workstation themselves or call a Kodak service technician. CREO field reps are not responsible for RAM upgrades.

Many Kodak Workstations are Alpha platform, therefore it often cheaper to buy 3rd party RAM than to buy it from DEC/Compaq. The type of RAM chips necessary are listed below:

For the DEC Alpha 266 (384MB maximum for system - 6 slots)
128MB Upgrade kit (2 x 64MB) MSP 01 AE* $390.00
The asterisk (*) indicates third party memory, without it
you get DEC manufactured memory (costs a lot more)

For the DEC Alpha 433a (1GB maximum for system - 6 slots)
128MB (2x64MB) MSP01-HD* $325.00 256MB (2x128) MSP01-HE* $725.00
512MB
(2x256) MSP01-HF* $1,645.00

Note that prices are from Digital Basics, Inc. (Supplier) (800) 522-1742 or (612) 496-2550 Outside of the USA or in Minnesota. Prices are subject to change. Vendor is not a "recommended" vendor but listed as an example only.

4. FUTURE DEVELOPMENTS

Kodak is currently in late beta with Harlequin 5.1 RIP. There is at present at least one known Prinergy that is successfully spooling DCS sets from Prinergy through this RIP version.

This new RIP version also includes a feature known as "spot color recipes." This enhanced functionality allows the Approval XP4 or XP2 to output extra "hits" of process inks or special inks to enhance the color quality of the proof. This enhanced functionality is not available via the AIT software (and it one of the major reasons why the AIT software is now obsolete).

If CREO/Heidelberg sales encounter a Kodak beta site, they are permitted to sell Prinergy connection to that customer. However, the requirement for the customer to purchase additional RAM still applies.

WARNING: There is no definite release date for the Harlequin 5.1 RIP by Kodak. Obviously, CREO can no take no liability for "broken" betas by Kodak (That is to say, if Kodak drops in a new version of the Harlequin that totally screws up everybody, we can take no responsibility whatsoever).