Kodak

Trendsetter MPE Autoloader CR3.0

Release Notes

Document Number
739-00425A-EN-A

20 Sep 2007

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Revision History

Revision	Date	Author	Comments
01	24 Aug 2007	Andrew So	1st draft
A	20 Sep 2007	Janet Waterman	Updated to Kodak style guidelines

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CONTENTS

Revision History i

1. Important information 1
   - 1.1 Upgrading to CR 3.0 1
   - 1.2 Controlled Releases on Workstations 1

2. Controlled Release Package Information 1
   - 2.1 Component Information 1
   - 2.2 Device Qualification 2
   - 2.3 Limitations 2
   - 2.4 Dependencies 2
   - 2.5 Workflow Compatibility 2

3. Installation/Upgrading 3
   - 3.1 Upgradeability 3
   - 3.2 Install/Upgrade Procedure 3

4. New Features 3
   - 4.1 CTP Feature Licensing 3
   - 4.2 Swath reduction for S-speed Throughput 4
   - 4.3 Test Plot 4

5. Minor Features and Fixes 4
   - 5.1 Firmware 5
     - 5.1.1 Mainscan Shift Problem Fixed 5
     - 5.1.2 Whisker Jet Offset 5
     - 5.1.3 Device Initialization When Unload Traveler Not Functional 5
     - 5.1.4 Control of Held Focus Swaths at Start and End of Plotting 5
     - 5.1.5 Temperature Compensation Bug Fixed 5
   - 5.2 Print Console 6
     - 5.2.1 Support for SCSIPORT Interface 6

6. Known Limitations 6
   - 6.1 Support for Power User Account 6

7. Appendix A 7

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1. IMPORTANT INFORMATION

MPE Trendsetter® Autoloader Controlled Release (CR) 3.0 uses Creo Feature Licensing (CFL) to control access to the Kodak service tools.

A service dongle is mandatory for this CR. You cannot access Service Shell without a service dongle or a service license.

1.1 Upgrading to CR 3.0

It is *recommended* for this CR that you *update all components* to the MPE Trendsetter Autoloader CR 3.0 level. There is (as always) no guarantee that a partial install of this CR will be fully functional. A partial install of the CR constitutes a high-risk action and may result in future service visits.

The new CR installer will insure that all necessary components are updated accordingly.

1.2 Controlled Releases on Workstations

The CR installer will automatically copy all component to **[system]:\Creo\ControlledRelease** under its CR version to ensure that others (such as the Response Center or another service representative) have access to the latest versions of software and firmware.

2. CONTROLLED RELEASE PACKAGE INFORMATION

2.1 Component Information

Component	Version
Print Console	2.7.0.26
Service Shell	3.4.8
MPE Main firmware	1.58.11
Thermal head 1.x firmware	2.0
Brisque® Agent	1.00.064
CTP Feature Licensing	2.1.5
Version config file	TS 400-800-MPE-AL.INI
Sentinel/Safenet USB driver	7.3.2

CR SW kit: 20-0193B

CR CD only: 651-00722A

2.2 Device Qualification

The following device has been qualified with this CR:

- Kodak® Trendsetter® 3230/3244 AL
- Kodak Trendsetter 400/800 AL

The following heads have been qualified with this CR:

- Thermal head 1.x

2.3 Limitations

- DEC® Alpha not supported for Print Console
- DEC® Alpha not supported for Service Shell

2.4 Dependencies

- Microsoft® Windows® 2000 SP2 or later operating systems on Print Console workstations
- Microsoft® Windows® XP and 2003 Server
- HVD SCSI card or suitable converter on workstation
- Microsoft® Internet Explorer 6 browser or later (required for Service Shell 3.4)

2.5 Workflow Compatibility

Workflow items are not part of the release, but have been tested for compatibility. This CR has been tested with the latest released version of workflow and it is recommended that customers be brought to this level.

- Kodak Brisque® Direct 4.1 and 5.1

Note: If using Brisque 4.1, it is mandatory to upgrade to 4.1.76 Output Update 5

- Kodak Prinergy® workflow system, versions 3.1.0.4 and 4.0
- Kodak Prinergy Evo™ software version 3.2 and 4.0
- TIFF Connectivity via Print Console 2.7 (TIFF Downloader)

Untested or incompatible workflow

- TIFF Connectivity via Allegro™ Console 2.1 – untested (Allegro is EOSL)
- PostScript® Connectivity via Allegro 1.2/1.7 – untested (Allegro is EOSL)
- CRI Workflows: Not available—CRI no longer supported with Print Console 2.1 and later

3. INSTALLATION/UPGRADING

3.1 Upgradeability

This CR has only been tested with upgrades from MPE Trendsetter® Autoloader CR 2.3. It is likely that upgrades from previous versions are possible, but they have some risk level.

3.2 Install/Upgrade Procedure

Total time—3 hours (minimum)

Task	Time
Dependencies Review the Dependencies before beginning.	
Microsoft .NET Framework 1.1 Check that .NET 1.1 is installed. Otherwise it can be retrieved through Windows Update, from the CFL Techplanet site or from the patches folder on the CR CD. To check if it is installed: Go to Windows **Start > Settings > Control Panel > Add/Remove Programs**. Scroll down and look for Microsoft .NET Framework 1.1.	0.25 hour
Run CR installer and follow onscreen instructions Select the proper product description before starting the installation	0.5 hour
Firmware 1. Upgrade device firmware to v1.58.11 using the Service Shell firmware upgrade script. Firmware file was copied to the service shell firmware directory 2. Upgrade head firmware to v2.00 using Service Shell firmware upgrade script	1.0 hour
Version Check After all firmware and software have been upgraded, use the Version Checker in Service Shell to evaluate all system versions. Ensure that there are no errors reported by Version Checker	0.1 hour
Functionality Check Check that device and all applications are functional including load/unload of small/medium/large size media	1 hour

4. NEW FEATURES

4.1 CTP Feature Licensing

Access to Service Shell is now controlled by the use of a service dongle. Refer to http://techplanet.creo.com/output/device_control/feature_licensing/nav/overview.htm for more information and how to order a dongle.

For customer access, a service license with **Advanced User** access level can be generated but a customer dongle must be ordered. See the TechPlanet link above for the proper ordering process. This license should *only* be provided if the customer is entitled to run Service Shell.

Service and customer dongles are USB by default. Refer to http://techplanet.creo.com/output/computer_to_plate/all_ctp/content/docs/cfl_dongle_usb_problems.htm for troubleshooting information. This document also provides information on enabling USB ports that may have been disabled on some older configurations.

If the customer workstation does not support USB (no USB port available (for example, Aviion), there are three options:

- Connect to the host running on the customer workstation via your service laptop.
- If Test Plot access is required, run the Service Shell Host from your laptop and connect to the device.
- Order a customer parallel dongle (part number 22-0104). This will be necessary if the Response Center requires the customer to access Service Shell commands.

4.2 Swath reduction for S-speed Throughput

In previous firmware versions, overwriting was used as a means to reach the Standard speed throughput; now the system will instead enforce throughput by reducing the swath down to 128 pixels and adjusting **`soffset`** to **`56`**.

Overwriting is disabled for all plate media types.

Note: If the customer has an S-speed device:

- Ensure that overwriting is *turned off* in the media slot to avoid confusion (**`ow=0`**)
- Ensure that drum speed is set to 165 rpm for all media; consult the Media Performance Database for the proper power setting.

See *Appendix A* for a list of all possible configurations.

4.3 Test Plot

Firmware 1.58 now fully supports Test Plot in Service Shell.

5. MINOR FEATURES AND FIXES

Fixes and smaller features are documented in component release notes, which are both available in the **Release Notes** folder and in the component install folder on the controlled release CD.

5.1 Firmware

5.1.1 Mainscan Shift Problem Fixed

Drum pin locations are now hard-coded parameters in the firmware. This is to guarantee the proper mainscan shift for any size of plate. Before this fix, the distance from the home edge was to pin 1 was not accounted for in calculating the mainscan shift.

After the upgrade, you must verify that registration between devices is still maintained.

5.1.2 Whisker Jet Offset

You can now add a whisker jet offset at the home and away side to avoid focus error on the edge of positive plates. This problem was mostly seen on Kodak Sword Excel™ thermal plates.

The parameter is **`set sys wjo`**

The recommended offset is **`500mils`**.

5.1.3 Device Initialization When Unload Traveler Not Functional

Previously, when a component of the unload table traveler was broken, the device would not initialize. Any attempt to run the device in semi-automatic mode wouldl fail.

The new NVS parameter **`sys tsd`** lets the operator indicate that the unload table is not to be used for plate unloading. When **`sys tsd`** is set to **`1`**, the ALE initialization skips the unload table initialization, and you can operate the device in manual mode through Print Console.

5.1.4 Control of Held Focus Swaths at Start and End of Plotting

Two new NVS parameters, **`media held_focus_swath1`** and **`media held_focus_swath2`**, have been added. The **`media held_focus_swath`** parameter sets the focus learn position relative to the start edge of the plate in swaths. It also sets the number of swaths that use focus learn data. When setting **`media held_focus_swath2`** to N swaths, the last N swaths of the plotting use the focus learn data obtained from the swath (N+1) from the end of the plate.

5.1.5 Temperature Compensation Bug Fixed

Previously, no temperature compensation was applied in the mainscan direction. A new NVS parameter, **`set media n tc`**, applies specific temperature compensation for non-metallic media. For aluminum plate media, the parameter should be set to 0 so that default temperature compensation is applied.

5.2 Print Console

5.2.1 Support for SCSIPORT Interface

This SCSI driver is required under Windows XP; it replaces **SCSIPRINT.sys** which is used on Windows 2000 Server and Windows 2000 Professional. The SCSI-INF installer will run automatically if the CR installer detects Windows XP. The SCSI-INF installer is in the Patches folder of the controlled release in case you have to run it manually.

6. KNOWN LIMITATIONS

6.1 Support for Power User Account

The Power User account is supported for legacy operating systems:

- Windows 2000 Professional
- Windows 2000 Server

The Power User account is *not* supported for current operating systems. For these versions of the operating system, the operator must sign into an account that has administrator privileges:

- Windows Server 2003
- Windows XP

7. APPENDIX A

Following table contains the complete list of MPE Trendsetter machine configurations supported by firmware. It also shows whether the overwriting or swath width reduction is enforced for plate media.

Model	OW for plate media	Swath width reduction for plate
TS3N	No	No
TS4F	No	No
TS3F	No	No
TS3E	No	No
TS8F	No	No
TS8E	No	No
NS12r	No	No
TS4_S	No	**Yes**
TS4_F	**Yes**	No
TS4_V	No	No
TS8_S	No	**Yes**
TS8_F	**Yes**	No
TS8_V	No	No
TS8ES	No	**Yes**
TS8EF	**Yes**	No
TS8EV	No	No
TS34V	No	No
TS38V	No	No
SP4LS	No	**Yes**
SP4LV	No	No
SP4RS	No	**Yes**
SP4RV	No	No
SP8LS	No	**Yes**
SP8LF	No	No
SP8LV	No	No
SP8RS	No	**Yes**

Model	OW for plate media	Swath width reduction for plate
SP8RF	No	No
SP8RV	No	No
SP8ES	No	**Yes**
SP8EF	No	No
SP8AS	No	**Yes**
SP8AF	No	No
SP4R_	No	No
SP8R_	No	No
PS8R_	No	No
PS4R_	No	No
DFLT	N/A	N/A

The model is configured using the **`config <password> <model>`** command after a reset; for example (command is case-sensitive):

`config <password> SP8LF`

After using this command, reset the machine and use the **`set config`** command to verify that the model was set correctly.

Contact the Response Center for the password.