Kodak

# Trendsetter MPE Base CR2.0

## Release Notes

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# Revision History

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## Release Notes

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# 1. IMPORTANT INFORMATION

MPE Trendsetter® Base Controlled Release (CR) 2.0 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 2.0

It is *recommended* for this CR that you *update all components* to the MPE Trendsetter Base CR 2.0 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 components 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 | 2.56.00 |
| Thermal head 1.x firmware | 2.0 |
| Brisque® Agent | 1.00.064 |
| CTP Feature Licensing | 2.1.5 |
| Version config file | TS 400-800-B-MPE.INI |
| Sentinel/Safenet USB driver | 7.3.2 |

CR SW kit: 20-0192C

CR CD only: 651-00801A

## 2.2 Device Qualification

The following devices have been qualified with this CR:

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

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 Base CR 1.4. 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**<br>Review the Dependencies before beginning. | |
| **Microsoft .NET Framework 1.1**<br>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.<br>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**<br>Select the proper product description before starting the installation | 0.5 hour |
| **Firmware**<br>1. Upgrade device firmware to v2.56.00 using the Service Shell firmware upgrade script. The firmware file was copied to the service shell firmware directory.<br>2. Upgrade head firmware to v2.00 using Service Shell. | 1.0 hour |
| **Version Check**<br>After all firmware and software have been upgraded, use the Version Checker in Service Shell to evaluate all system versions.<br>Ensure that there are no errors reported by Version Checker | 0.1 hour |
| **Functionality Check**<br>Check that device and all applications are functional including load/unload of small/medium/large size media | 1 hour |

# 4. NEW FEATURES

## 4.1 Creo Feature Licensing (CFL)

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 2.56 now fully supports Test Plot in Service Shell.

## 4.4 Firmware

### 4.4.1 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.

### 4.4.2 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`**.

### 4.4.3 HDM NVS Parameters

The TH NVS parameters stroke width (**`swidth`**) and stroke offset (**`sofffset`**) have been moved to the **HDM NVS** parameter section from the **Head NVS** parameter section. Hence, they are now media-specific NVS parameters. These NVS parameters must be updated after firmware downloads. The firmware upgrade script will update the NVS parameters automatically after upgrading the head firmware. If the script does not update the NVS parameters, use the **`nvs upgrade head 1.97`** command to update the parameters.

### 4.4.4 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.

### 4.4.5 Narrow Mode Parameters Ignored

Narrow mode parameters (**`swidthn, dsn, wpowern`**, and so on) are no longer used. The narrow mode flag sent by the workflow will be ignored and the normal imaging parameters will be used. If special imaging setup is required for Staccato screening, you must set up a new media slot and plate size for the media.

### 4.4.6 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.

## 4.5 Print Console

### 4.5.1 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.

# 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.

# 6. KNOWN LIMITATIONS

## 6.1 Support for Power User Account

The Power User account is supported for the following legacy operating systems:

- Windows 2000 Professional
- Windows 2000 Server

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

- Windows Server 2003
- Windows XP

# 7. APPENDIX A

The 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.