

Trendsetter UHR Controlled Release 2.0

Readme/Release notes

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Revision History

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1. IMPORTANT INFORMATION

Kodak Trendsetter UHR Controlled Release (CR) 2.0 reinforces access control through Creo Feature Licensing (CFL) on Kodak service tools.

WARNING: 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

Due to the scope of changes for feature licensing and the requirement for all components to be matched with the appropriate licensing files, it is *mandatory* for this controlled release that *you update all components* to the TS UHR CR 2.0 level. There is (as always) no guarantee that a partial install of this controlled release will be fully functional. A partial install of the controlled release constitutes a high-risk action and may result in future service visits.

WARNING: If you do not have a customer dongle, service dongle and customer license files, do not upgrade the site, as it will result in a hard-down situation.

1.2 CR 2.0 MCE firmware NOT downgradeable

Due to security concerns, once CR 2.0 main firmware has been loaded, it is not possible to downgrade firmware back to previous CR levels. Ensure that you have the customer dongle and license files before continuing.

1.3 Creo Feature Licensing for firmware

Firmware now uses CFL to check that options are correctly enabled. This is in addition to previous feature-licensed components such as Service Shell Client, Service Host's TCP/IP Configuration Wizard, and Media Console. In all cases, CFL (as well as .NET architecture) must be installed—both are included on the TS UHR CR 2.0 CD. More information is available in "Major Features and Fixes - Creo Feature Licensing".

2. CONTROLLED RELEASE PACKAGE INFORMATION

2.1 Component information

Component	Version
Print Console	3.19.1.7
Service Shell	2.6.2.722
Creo Feature Licensing	2.1.5
License definition files	2.0.29
MCE firmware	1.36.23
MCE Xilinx	2.36

MCE core firmware bundle	1.4
Thermal Head 2.x firmware	1.05d
Brisque Agent	1.00.057
Version config files	**TS-UHR.ini**

Controlled release software kit: 634-00352A

Controlled release software CD: 651-00362B

2.2 Device qualification

The following devices have been qualified with this controlled release:

- *Trendsetter* UHR

The following heads have been qualified with this controlled release:

- Thermal head 2—12,800 dpi

2.3 Limitations

- *Kodak Brisque* Direct software—*Brisque* version 5.0 / 5.1 + LUT patch required
- *DEC Alpha* not supported for Print Console
- *DEC Alpha* not supported for Service Shell
- Older *Dell* and *Data General* workstations may have inadequate performance

2.4 Dependencies

- *Microsoft Windows* 2000 Professional, *Microsoft Windows* 2000 Server, or *Microsoft Windows* 2003 Server operating systems on workstation
- LVD SCSI card or suitable converter on workstation
- Adequate performance achieved with *OptiPlex* GX620 and *PowerEdge* PE830 (with hyperthreading, 1 GB RAM) workstation
- *Microsoft Internet Explorer* 6 internet browser or later

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.

- *Brisque* Direct 5.0/5.1 **Note:** It is mandatory to load the LUT patch.
- *Kodak Prinergy* 3.0 workflow system or above – TIFF Connectivity via Print Console TIFF Downloader

- 3rd party workflow – TIFF Connectivity via Print Console TIFF Downloader

3. INSTALLATION/UPGRADING

3.1 Upgradeability

This controlled release has only been tested with upgrades from MCE TS UHR CR 1.0. It is likely that upgrades from previous versions are possible, but they have some risk level.

3.2 Install/Upgrade procedure

Total time: 2 hours (minimum)

Task	Time
Dependencies Review the Dependencies before beginning.	
Patches Check the **Patches** folder and apply any patches, as documented in the readme files.	
Creo Feature Licensing Install the new license definition files – from Feature License folder, run the LDF installer	0.1 hr
Service Shell Install/upgrade Service Shell client/host—needed for checking head/MCE firmware versions and for downloading the new firmware. Ensure that the COM ports are configured correctly.	0.25 hour
Configure Host Device Run the host configuration from Service Host and configure to correct device model.	0.10 hour
Version Check After installing the Service Shell client, start the Version Checker applet. Click **Config**. A dialog box prompts you for the controlled release config file. Locate the **VersionConfig** folder on the controlled release CD, select the version config file, and select **Evaluate > Yes**. If a dialog box indicates that the device is not yet configured with controlled release version information, select **Configure System > Next**. Locate the **VersionConfig** folder on the controlled release CD, select the version config file, and click **Finish**. For more info about Service Shell, see the Service Shell support site on TechPlanet.	0.1 hour
Firmware Use the firmware upgrade script to update the firmware to 1.36.23	0.5 hr
Print Console Install/Upgrade Print Console	0.5 hr
Workflow *Brisque*: Update versions as documented and reconfigure devices. *Prinergy*: No update necessary *Prinergy* Evo: No update necessary	
Version Check	0.1 hour

Task	Time
After all firmware and software have been upgraded, use the Version Checker applet in Service Shell to evaluate all system versions. Ensure that no errors are reported by the Version Checker.	
Functionality Check Check that the device and all applications are functional, including loading and unloading of small, medium, or large size media.	0.5 hours

4. MAJOR FEATURES AND FIXES

4.1 Creo Feature Licensing

4.1.1 Firmware and Device Configuration Licensing

The firmware is now licensed and configured by communicating with the Creo License Manager on the workstation, and it must maintain this connection in order to retain its licensing status. Anytime the device is powered on, the firmware automatically attempts to make a connection with the Creo License Manager. Once it makes a connection, it then attempts to get a license for the device. Upon successful retrieval of a license, the device will be considered licensed and will have all the features that it has been licensed for.

If at anytime the connection between the firmware and the Creo License Manager is broken, the firmware will lose its license status. Unlicensed devices will allow basic functionality, such as loading media and imaging diagnostics plots. However they will not allow the device to complete a flush, or image any workstation jobs.

The license provides all the device limits and configurations; it gives the device an identity. Every time the firmware retrieves a license from the Creo License Manager it stores the last licensed values in NVS. This is so the firmware can retain some idea of its identity even while unlicensed. A device that has not yet been licensed at least once will use default licensing values that are a bare minimum for the device.

To see the current licensing status of the device, and the current licensed limits, use the **license** command.

The **license** command will also display any errors that might have occurred while attempting to retrieve a license and it should be the primary command for any license troubleshooting.

Since the firmware now retrieves its limits and configurations from the license, the commands **config** and **feature** are no longer available. They no longer have a use in feature license firmware.

4.1.2 Service Usage Licenses

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.

5. MINOR FEATURES AND FIXES

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