

TRENDSETTER NEWS MCE CR 4.0

Readme/Release Notes

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Revision History

Revision	Date	Author	Comments
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Draft 1.1	February 16, 2005	Gary Theobald	Added information on preventing Windows freeze
739-00181A-EN-Rev A	May 10, 2005	Gary Theobald	Updated PN

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Trendsetter NEWS MCE CR 4.0
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1. IMPORTANT INFORMATION

Trendsetter® NEWS MCE Controlled Release (CR) 4.0 has a number of new features that are important to both service and the customer. You should familiarize yourself with this information before installing this controlled release.

1.1 PROVIDING FEEDBACK TO PRODUCT DEVELOPMENT

After reading this document, please e-mail gary.theobald@creo.com. This gives us an indication of whether these release notes are actually being read, and allows us to assess whether it is worthwhile to continue producing them. (A number of people are involved in producing, editing and publishing this document.) Feel free to suggest changes.

1.2 UPGRADING TO CR 4.0

It is *mandatory* for this controlled release that *all components be updated* to the Trendsetter NEWS MCE CR 4.0 level. Due to the scope of changes for Creo Feature Licensing, Image Mode, Thermal Head stroke table fixes, and other features, 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.

1.3 CREO FEATURE LICENSING FOR SERVICE SHELL HOST CONFIGURATION TCP/IP WIZARD

Service Shell's TCP/IP configuration portion of the Host Configuration wizard uses feature licensing with a service license. (For more information, see New Features—Host Configuration wizard.) If installing or using this component, the customer service engineer (CSE) will need a service dongle.

Creo Feature Licensing (as well as .NET architecture) needs to be installed. (Both are included on the CR 4.0 CD.) See New Features—Creo Feature Licensing.

1.4 DEVICE NAME CONVENTION

1.4.1 HOST CONFIGURATION

It is *mandatory* that the host configuration be run and the correct device type selected on the MCE System page. This configuration allows Versioner (new software for Response Center gathering of version information) and several other service tools to be correctly configured. For more information about how to run the Host Configuration wizard, see New Features—Host Configuration Wizard.

Note: Unlike Trendsetter 4/8 MCE CR 4.0, the naming convention for Trendsetter NEWS MCE has remained consistent, so no changes are necessary for Brisque® installations other than the standard updates.

1.5 IMAGE MODE

Media Image Mode settings have changed for this controlled release. If using media that needs separate media slots for AM and FM, ensure you read New Features—New Imaging Mode Implementation.

1.6 CREO CONSUMABLES CUSTOMERS

Creo consumables customers have several new tools available for their use. Inventory Assist allows the tracking of inventory levels of Creo media. For more information, see New Features—Inventory Assist. As well, a release of the Processor Monitor Interface is available. This software tracks the usage of chemistry by the processor. For more information, see New Features—Processor Monitor Interface and Processor Flow Control.

1.7 CONTROLLED RELEASES ON WORKSTATIONS

Since Feb. 27, 2004, all MCE device servers shipped from Creo have had the controlled release contents copied to the **ControlledRelease** folder under the system drive name. The controlled release will be under a CR version subfolder—for example, **C:\ControlledRelease\4.0**.

The best practice when a CSE updates a CR at a customer's site is to copy the new CR to this same folder under its controlled release version. This ensures that others (such as the Response Center or another CSE) have access to the latest versions of software and firmware.

It is also best practice to delete the old CR after you ensure that the device is running correctly. This ensures that customers or third-party service personnel cannot downgrade the output device to older, non-feature-licensed versions of software, and bypass security features implemented in newer controlled releases.

1.8 SERVICE SHELL VERSION CHECKER

Although Service Shell Version Checker has been an integral part of controlled releases for some time, it has likely not received the attention that it deserves. Version Checker can be found on the **Tools** menu of the Service Shell Client. It is *mandatory* that the CSE installing the controlled release run Version Checker to check before and after a controlled release upgrade. This will show which software and firmware components are currently installed and which need to be updated. Ensure that you have upgraded Service Host and Service Shell as well as the device version configuration file provided with each controlled release, to ensure you are checking against the latest controlled release version information.

1.9 ENABLING USB PORTS ON THE DEVICE WORKSTATION

There was an issue with some workstations not having all USB ports correctly enabled. To ensure that all USB ports are correctly enabled, ensure you follow the *Enabling USB Ports* procedure (**709-00208A-EN-A-PR01.pdf**) located in the **Release Notes** folder of the controlled release CD.

Note: If you are looking for ports to plug in service dongles, all GX version Dell® workstations (for example, GX270) have two USB ports on the front of the workstation below the light gray molded flip-up cover.

1.10 MICROSOFT WINDOWS FREEZE SOLUTION

There is an issue on Dell Optiplex® workstations due to conflicts between the SoundMAX® audio driver and other programs. This freeze occurs when you open Windows® Internet Explorer and try to go to an http address. The freeze completely locks Windows such that even Task Manager won't allow you to reset the workstation. The only way to restart is to hold down the power button until the workstation shuts down, and then push the power button to start the workstation back up.

Sound capability is not required for CTP functionality, so remove the SoundMAX driver and disable audio functionality in the BIOS.

1. Select **Start > Settings > Control Panel > Add/Remove Programs**.
2. Select **SoundMAX** from the list of programs, click **Change/Remove**, and follow the instructions in the wizard. When you click **Finish** in the wizard, the computer will restart.
3. During the Windows restart, press F2 to enter the BIOS setup.
4. In the left pane, use the down arrow to highlight **Onboard Device** and then press ENTER.
5. In the list under **Onboard Device**, select **Integrated Audio**. In the right pane, you will see that it is **On**.
6. Press ENTER, use the arrow key to select **Off**, and press ENTER again.
7. Press ESC and select **Save/Exit**. The Windows restart continues and the problem should be solved.

If you did not press F2 in time to enter the BIOS setup, the setup program will attempt to reinstall the driver.

1. Click **Cancel** in the dialog box that displays a message about reinstalling the driver.
2. When the workstation has restarted, select **Start > Settings > Control Panel > Administration Tools > Computer Management > System Tools > Device Manager > Sound, video and game controllers**.
3. Right-click **SoundMAX** and click **OK**.
4. In the **Device usage** box at the bottom of the **General** tab, select **Do not use this device (disable)** and click **OK**.
5. Restart Windows, and during the restart process disable audio functionality in the BIOS as described in steps 3 to 7 of the first procedure.

For more information, see http://techplanet.creo.com/output/device_control/print_console/content/troubleshooting/prc125.htm.

2. CONTROLLED RELEASE PACKAGE INFORMATION

2.1 COMPONENT INFORMATION

Component	Version
Print Console	3.17.0
Service Shell	2.6.0
Inventory Assist **Note**: Creo consumables customers only	2.0.0
Processor Monitor Interface **Note**: Creo consumables customers only	2.05
Creo feature licensing	1.1
MCE main firmware	1.30
MCE slave firmware **Note**: Trendsetter NEWS 200 only	1.16
MCE Xilinx	2.23
MCE core firmware bundle	1.3
Thermal head 1.x firmware	1.97
Thermal head 2.x firmware	1.04d
Brisque Agent	1.00.057
Version config file	**TS NEWS 200 MCE.INI** **TS NEWS MCE.INI**

Controlled release software kit: 634-00010E
Controlled release software CD: 651-00017H

2.2 DEVICE QUALIFICATION

The following devices have been qualified with this controlled release:

- Trendsetter NEWS SA
- Trendsetter NEWS 50/50C
- Trendsetter NEWS 70/70C
- Trendsetter NEWS 100/100C
- Trendsetter NEWS 150
- Trendsetter NEWS 200

The following heads have been qualified with this controlled release:

- Thermal Head 1.x
- Thermal Head 2.x

2.3 LIMITATIONS

- Brisque Direct—Brisque ver. 4.1 output update 5 + 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.
- Allegro™ Console not qualified for Windows 2003

2.4 DEPENDENCIES

- Windows 2000 SP2 or Windows 2003 operating systems on workstation
- LVD SCSI card or suitable converter on workstation
- Adequate performance achieved with Dell Optiplex GX270/GX280 (with hyperthreading, 1 GB RAM)
- Internet Explorer 6 or later

2.5 WORKFLOW COMPATIBILITY

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

- Brisque Direct 4.1
  Note: If using Brisque 4.1, you must upgrade to 4.1.76 Output Update 5 + LUT patch.
  Note: If using the Manual Load option, you must upgrade to Brisque Agent 1.00.057 to enable this option correctly (if running Brisque Agent 1.00.053 and earlier).
- Brisque Direct 5.0
  Note: It is recommended that you upgrade Brisque 5.0 to Update 10.
  Note: If using the Manual Load option, you must upgrade to Brisque Agent 1.00.057 to enable this option correctly (if running Brisque Agent 1.00.053 and earlier).
- Prinergy® 2.3 software
- Prinergy Newsrun 3.5
  Note: Prinergy Newsrun is still in Beta at the time of this release
- TIFF Connectivity via Print Console 3.17 (Tiff Downloader)
- Synapse® News Manager via Job Processing Server and Print Console 3.17
- Allegro 2.1—TIFF Connectivity via Allegro Console
- CRI Workflows: Not available—CRI is no longer supported with Print Console 2.1 and later.

3. INSTALLATION / UPGRADING

3.1 UPGRADEABILITY

This controlled release has been tested only with upgrades from Trendsetter NEWS MCE CR 3.x. It is likely that upgrades from previous versions are possible, but they have some risk.

3.2 INSTALL / UPGRADE PROCEDURE

Total time—three 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 Ensure that Microsoft .NET framework is installed and updated. Install/upgrade Creo Feature Licensing.	0.5 hour
Service Shell Install/upgrade Service Shell. It is needed for checking head/MCE firmware versions and for downloading the new firmware. Ensure that the COM ports are configured correctly.	0.5 hour
Configure Host Device Run 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 **Configure**. A dialog box prompts you for the controlled release configuration file. Browse to the **VersionConfig** folder on the controlled release CD, select the version configuration file, click **Finish**, and then click **Yes** to evaluate the configuration. If a dialog box indicates that the device is not yet configured with controlled release version information, select **Configure System > Next**. Browse to the **VersionConfig** folder on the controlled release CD, select the version configuration file, and click **Finish**. For more information about Service Shell, see the Service Shell support site on TechPlanet.	0.25 hour
Firmware Use the Firmware Upgrade script in Service Shell to back up parameters and download all new MCE Main/Slave, PDB, and Genine firmware.	0.5 hour
Print Console Install/Upgrade Print Console.	0.5 hour
Consumables (Creo consumables customers only) Install/Upgrade Inventory Assist (for Creo consumables customers) and configure settings in Print Console/IA if necessary. Install/Upgrade Processor Monitor Interface (for Creo plate processor customers).	0.5 hour

Workflow Brisque: No update necessary Prinergy: No update necessary Prinergy Evo: No update necessary	
Version Check After you upgrade all firmware and software, use the Version Checker applet in Service Shell to evaluate all system versions. Ensure that there are no errors reported by the Version Checker.	0.25 hour
Functionality Check Check that device and all software are functional, including loading and unloading of small, medium, and large media.	1.5 hours

4. NEW FEATURES

4.1 CROSS COMPONENT FUNCTIONALITY

4.1.1 CREO FEATURE LICENSING

Creo Feature Licensing (CFL) is an effort to ensure consistent license practices across Output Devices (and other groups). CFL uses a combination of a service dongle, a customer dongle, and workstation license manager software to license software and firmware features. You can obtain licenses and dongles by following the procedures posted on TechPlanet.

Trendsetter NEWS MCE licenses one feature—service usage of Service Shell Host Configuration TCP/IP wizard.

SERVICE USAGE LICENSES

You need the service dongle or a service license to run the TCP/IP configuration portion of Service Shell's 2.6 Host Configuration wizard.

4.1.2 NEW IMAGING MODE IMPLEMENTATION

Note: *The Imaging and Print and Output Devices group recommends that all media use the same settings for both AM and FM imaging with the exception of Dupont proofing media, which needs different interleaving patterns between AM and FM.*

Image mode has now been changed to allow for easier understanding of the setting, clearer operator information interfaces for both Print Console and Service Shell, and to fix some conflict issues with the old image mode structure.

In general, no changes in media image mode settings need to be made when upgrading to this firmware (as a `media x imagemode` of 0 allows you to continue imaging both AM and FM), unless you specifically have media where two media slots are configured, one corresponding to FM and the other to AM. For more information, see Media ImageMode Conflicts, below.

The new image mode implementation has several components.

FIRMWARE

Firmware now allows one of three values to be set in `media x imagemode` and `hdm x imode`. These two values must match for a selected media/hdm slot (as well as `media/hdm x name` and `media/hdm x colour`), because firmware uses this as matching

criteria to select the correct media/hdm slots for imaging. There are four possible configurations for a media within firmware. The three imagemode/imode values and corresponding relations to image mode are as follows:

Configuration	Image Mode	Slot	Device Media Name	Colour	media x imagemode	hdm x imode
A media requires different media settings for AM and FM.	AM	1	PTP-A	K	2	2
	FM	2	PTP-A	K	1	1
The media only images in AM image mode.	AM	3	PTP-B	K	2	2
The media only images in FM image mode.	FM	4	PTP-C	K	1	1
The media has no differences in media settings for AM and FM.	AM/FM	5	PTP-D	K	0	0

Both the `list media` and `media x` commands will display the image mode setting (FM-Only, AM-Only) if the imagemode value is non-zero.

PRINT CONSOLE

There is a read-only section in the **Device Media** tab of the Configuration pane where Creo service representatives can confirm that they have correctly mapped imaging mode information for the selected medium.

The **AM imaging mode ID** and **FM imaging mode ID** boxes display the number of the slot in the output device firmware. If the Media Manager option is enabled in firmware, the IDs will not be displayed. In both cases, the check box beside the AM/FM imaging mode ID will appear whether the media is configured for that mode. This slot validation process has been improved and these configured check boxes and ID values will now display the following information. (ID values will not be visible if the Media Manager option is enabled.)

When Media Is Set Up For	Both AM and FM (0)	FM Only (1)	AM Only (2)
The **AM imaging mode ID** configured check box—ID value displays:	Selected—<*Slot ID for AM*>	Cleared—N/A	Selected—<*Slot ID for AM*>
The **FM imaging mode ID** configured check box—ID value displays:	Selected—<*Slot ID for FM*>	Selected—<*Slot ID for FM*>	Cleared—N/A

SERVICE TOOLS

Service Shell Test Plot applet and all upcoming service tools dealing with media will show the image modes of the media that is being used.

MEDIA IMAGEMODE CONFLICTS

Note: In the case of a conflict between two media slots with the same name and color being set up with invalid configurations of imagemode values, Print Console will show both as being in conflict and will not allow jobs to be submitted on these media. Two conflicts are possible: `media x imagemode 0, media y imagemode 1`; and `media x imagemode 0, media y imagemode 2` (where both media x and media y name and color values are the same).

UPGRADING / DOWNGRADING FIRMWARE

Please note that a new index has been set up for imagemode in the firmware. This means that between upgrades from previous CRs, the imagemode data will not be transferred. The default for all image modes will be set to 0 (both AM and FM imaging) and will need to be manually set if any changes are necessary. If you are downgrading from this firmware to previous CR firmware, ensure you load the NVS that accompanies the previous firmware—copies of NVS will be saved under the **Service Shell** folder any time you upgrade or downgrade firmware.

4.1.3 SUPPORT FOR WINDOWS 2003 ON PE 700 AND DELL 2600

This controlled release software can be installed on workstations running either the Windows 2000 or the Windows 2003 operating systems. Windows 2003 will begin to appear with installations of Prinergy Evo and will likely appear on most workstations (other than Prinergy 2.x systems, because Prinergy 2.x is not qualified for Windows 2003) by mid to late 2005.

4.2 CONSUMABLE TOOLS FUNCTIONALITY

4.2.1 INVENTORY ASSIST

Inventory Assist is now included in the controlled release package. Inventory Assist (IA) is Creo software that collects information about plate consumption on an output device and sends it to a Creo database. When Creo account managers combine consumption data with customer plate shipment data, they can accurately measure a site's plate inventory and use this information to proactively ensure that customers do not run out of plates.

The Inventory Assist feature has three components that must be installed at the customer site:

- Print controller (such as Print Console version 3.17 and later)
- Inventory Assist
- ServicePort (installed as part of Service Host)

For information about setting up Print Console as the print controller component of an Inventory Assist system, see the technical bulletin *Setting Up Print Console for Inventory Assist* (734-00162A). For information about the entire Inventory Assist system, see the *Inventory Assist Administration Guide (*719-00389A).

4.2.2 PROCESSOR MONITOR INTERFACE

Processor Monitor Interface is now included as part of the controlled release package. Processor Monitor Interface 2.05 is software for monitoring Creo Plate Processors. It is software that has both a server and client. The server must be located on the device control workstation, and the processor will be connected to this workstation by a communications cable. (The option of connecting non-Creo processors to the device via a communications cable is still available.)

This feature is currently limited to one processor.

Unlike Trendsetter 4/8 MCE CR 4.0, there is no processor flow control monitoring by firmware, as it affects device throughput.

4.2.3 PROCESSOR MONITOR INTERFACE REMOTE CLIENT MONITORING

Processor Monitor Interface 2.05 now allows a distributed PMI install. The server side will be installed on the computer that is connected to the processor, as usual, but now the user interface can be installed on a different computer for easier monitoring. Multiple user interfaces can be installed on multiple computers.

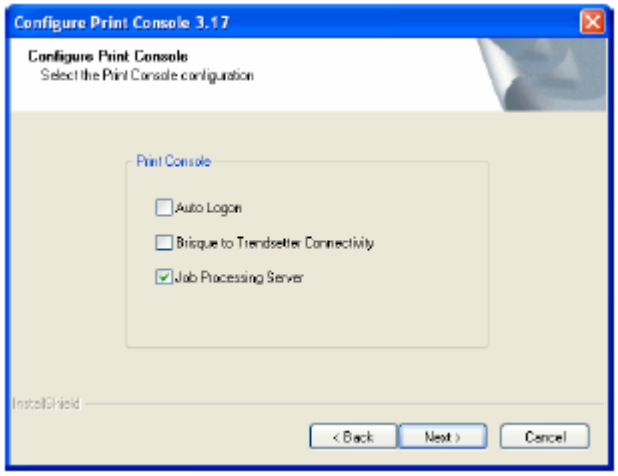
The client can be started by adding an IP address as a command line parameter for the PMI user interface—for example:

```
PMIUI2.exe server=10.1.38.212
```

When PMI is started with such a parameter, the user interface will connect to the PrAPI (Processor API) server that is indicated in the command line, instead of the local PrAPI server.

4.2.4 SUPPORT FOR SYNAPSE NEWS MANAGER CONNECTIVITY

Print Console 3.17 now supports Synapse NewsManager, Creo software that provides newspaper workflow management. To use Synapse NewsManager, you must select the **Job Processing Server** (JPS) option when you install Print Console.



For more information, see the Synapse NewsManager documentation.

4.2.5 DUAL BAY OPTION

Trendsetter NEWS MCE CR 4.0 now supports the dual bay option on all qualified devices except the Trendsetter NEWS SA. This means that customers can simplify the flow of different sized plates from one Trendsetter device to one press. For example, a Trendsetter NEWS device can have broadsheet plates in the preloader and panorama plates in the Trendsetter bay. Or, both bays can be loaded with the same size of plate to increase bay capacity.

NEWS 200 WITH DUAL BAY OPTION

The following options must be enabled in firmware for NEWS 200 to be configured with Dual Bay. Note that preloader option must be enabled before Dual Bay option is enabled. As well, a mechanical modification for the load ramp must be completed before enabling this option.

```
NEWS>> option
Available Options
```

```
-----------------
Autoloader option is enabled
Dual-head option is enabled
Separator-arms option is disabled
Preloader option is enabled
Dual-bay option is enabled
*** Command Complete
```

4.2.6 TRENDSETTER NEWS SA

Trendsetter NEWS MCE CR 4.0 now fully supports the NEWS SA with the same software and firmware components used for all other models.

4.3 PRINT CONSOLE FUNCTIONALITY

4.3.1 PRINT CONSOLE GUI AND OPERATOR PROMPTS AVAILABLE IN EIGHT LANGUAGES

In Print Console 3.17, operators can view the GUI and operator prompts in English, French, Italian, German, Spanish, Traditional Chinese, Simplified Chinese, or Japanese.

If you select Traditional Chinese, Simplified Chinese, or Japanese as your language preference, you must install Far East language files. The files are located on a Windows CD or on recent workstations where you select the appropriate locale in the **[system]:\I386** folder.

For more information, see the *Print Console 3.17 Installation Guide* (731-00253A), available on the Print Console installation CD, TechPlanet, and eCentral.

4.3.2 ABILITY TO KEEP OS X HIDDEN FILES OUT OF HOT FOLDERS

Print Console 3.17—When a Mac OS X system creates TIFF files, it stores resource information within the file. When that file is sent to a Windows computer—for example, when it is dropped into a Print Console hot folder—it shows up as two files:

- The file to be imaged, **<file name>.tiff**
- A file containing the resource information **.<filename>.tiff** or **._<file name>.tiff**

These hidden files with the resource information accumulate in Print Console queues as failed jobs. The operator must periodically delete them manually. Starting in Print Console 3.17, service engineers can edit the registry on the Windows workstation running Print Console to identify and block the hidden files. This workaround can be set up remotely by dialing in and editing the registry. In a future release, service engineers will be able to use a feature in the **Service** panel to filter the file patterns of the OS X hidden files so that they do not enter a hot folder. The procedure for editing the registry to block the hidden files is in the technical bulletin *Blocking Hidden Mac OS X Files From Print Console Hot Folders* (734-00200A), available on TechPlanet.

4.3.3 WARNING WHEN OPERATOR DELETES FILE

Print Console 3.17—This new feature protects operators from accidentally deleting a TIFF file that they still want. If operators delete a job from the **Processed** queue that is the last job that references a given TIFF file, the deletion of the job also deletes the TIFF file. When they delete such a job, they now receive a warning.

4.3.4 PASSWORD CONTROL ON CONFIGURATION HIDING

Print Console 3.17—This feature allows system administrators to hide the **Configuration** pane to prevent accidental modification of configurations. If hidden, it can be accessed either through the **View** menu or by pressing CTRL+ALT+C. In either case, the operator must now enter a password to view the pane.

If system administrators select the **Enable Configuration Button hiding** option, they can also select the:

- **Show button password** box, and then change the password that users must enter to show the **Configuration** button
- **Make job properties read only** box to make the Job Properties dialog box read only when the **Configuration** button is hidden

4.3.5 CHECK FOR INVALID MEDIA THICKNESS

The Print Console 3.17 registry now has a valid range of media thicknesses for each class of device, and it uses that information to validate the thickness values entered in **Device Media**.

4.3.6 VIEW MENU

Print Console 3.17 now has a **View** menu, where you can select panes that are hidden during normal use. Previously these hidden panes were accessible only with keystrokes and, in the case of the Service pane, a password.

- System administrators can hide the Configuration pane to prevent accidental modification of configurations. If hidden, it can now be accessed either through the **View** menu or by pressing CTRL+ALT+C. In either case, the operator must now enter a password to view the pane.
- The Service pane is normally hidden. It can now be accessed either through the **View** menu or by pressing CTRL+ALT+S and then entering a password.

4.3.7 CREO TIFF DOWNLOADER OPTIONS AVAILABLE FOR TIFF SPLITTING

This new feature allows customers to apply rotation, mirroring, shifting, and cropping to TIFF files that will be imaged by two heads.

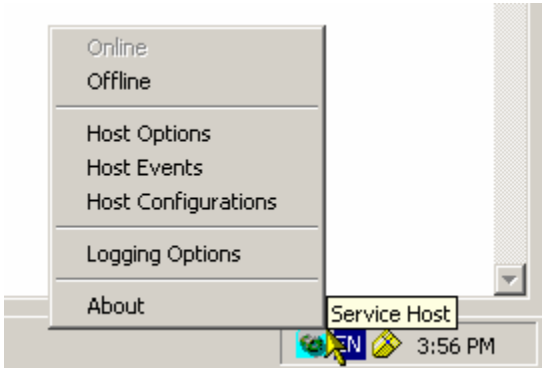
4.3.8 HOT FOLDER GROUPING FOR DUAL STACK PLATES

If the media for a dual stack device is narrow enough to load two at a time, the hot folders can now group two TIFF files into one job. This avoids waste, because the loader cannot load just one plate. If the job contained only one TIFF file, then only one plate would be imaged, resulting in inefficient throughput and potentially wasting a plate. Although the grouping mechanism can detect the number of copies made by the operator, it does not automatically set grouping to one if copies will be done. The operator must set the grouping to one.

4.4 SERVICE TOOLS FUNCTIONALITY

4.4.1 HOST CONFIGURATION WIZARD

Service Shell's 2.6 Host Configuration wizard allows you to automatically configure the device communication ports for your MPE/MCE device as well as the TCP/IP configuration for an MCE device. You can access the Host Configuration wizard by right-clicking the Service Host icon in the system tray of the workstation.



The Host Configuration wizard autodetects the device COM port. The wizard notifies you of the result—if it detects the COM port, you receive confirmation; if it doesn't detect the COM port, an error message appears listing which ports are available.

The Host Configuration wizard also verifies and runs diagnostics for the COM port that you select. If problems are detected, an error message appears providing you the option to resume configuration or cancel and select a different port.

MCE TCP / IP CONFIGURATION

TCP/IP configuration for MCE-based systems is now available in the Service Shell Host-Configuration wizard. This page is only available with a service license—see New Features—Creo Feature Licensing. Configuring the workstation port, MCE user, IP pool, and Remote Access Service (RAS) is automated to simplify connecting an MCE device.

4.4.2 LOG SERVER OPTIONS

Service Shell 2.6—If you are connecting to Service Host 2.6 from a remote location, you can now modify the log server settings.

4.4.3 TEST PLOT APPLET

Service Shell 2.6—The Test Plot applet has improved in reliability and setup. The applet now has a new imaging option, **Default Strokecal**, to perform stroke calculations that can be saved to a test job file.

You can also modify a plot series after it has been created. Previous versions forced you to recreate the series.

4.4.4 SPLOT 4.01

Service Shell 2.6—A new version of SPlot (4.01) is included with this release of Service Shell.

4.4.5 LOOP TEST

Service Shell 2.6—Loop Test no longer provides grouping. The tool interface has been upgraded for better user experience. Test options now include device locking. You can lock the device while the test is running and unlock it when it completes. Device locking also prevents Versioner from interfering with your tests. In addition, you can instantly stop a test that has paused due to a long command response from the device.

4.4.6 VERSIONER

Versioner is an automatically scheduled application that collects and stores system configuration information that you can use to quickly troubleshoot a system problem. This includes information about the device, firmware, hardware components, and software.

Versioner checks versions against the Version Checker configuration—it is important to use the Version Checker applet to check the controlled release versions after install or upgrade has finished. For more information about Version Checker, see Important Information—Service Shell Version Checker.

4.5 FIRMWARE FUNCTIONALITY

4.5.1 PLATE GONE POST DELAY NVS PARAMETER

MCE Main FW 1.30—This NVS parameter is used to set the length of time to wait after the plate is no longer detected on the unload table's AL_SensorTableExitHome/Away sensors before the unload table is allowed to move back to the up position.

4.5.2 LARGE DUAL-PLATE OPTION

Note: ECO CA06137 for modifying drum registration pins must be completed before enabling this option.

The new Large Dual-Plate option has been added with CR 4.0. It is an alternative to the Dual-Plate option.

When the Large Dual-Plate option is enabled, the device can process broadsheet plates with maximum subscan size of 536 mm, provided the drum has modified registration pin locations as described in the following table.

A modification of the positions of the registration pins has been made to allow for a maximum subscan of 536 mm for a broadsheet plate and a minimum of 620 mm for a panorama plate.

The registration pins on the modifies drum are spaced as follows:

Pins	1	2	3	4
Pin Location (mm)	153	427	733	1007

Pins 1 to 3 can have plate subscan sizes ranging from 620 mm to 888 mm. Pins 1 to 4 can have plate subscan sizes ranging from 889 mm to 1118 mm.

4.5.3 DEBRIS REMOVAL PARAMETER SETUP ON NEWS200

The following outlines debris removal options and necessary setup for NEWS 200 devices. Note specific cases supported and make sure the recommended setup is entered on the device.

Note: NEWS 200 with TH2 uses UDRC-B-H cabinet only. UDRC-L option will not work on NEWS 200 because there is not an appropriate UDRC-L cabinet to provide an adequate flow for a dual-head device.

Note: Please note that from the three debris removal UDRC-B options available for NEWS 200 with TH2, it is recommended to specify option 1 and 3 only. The air jet needs to be enabled so that adequate readings can be obtained from the nozzle sensors for TH2.

Ensure that the following debris parameters are set as below:

```
NEWS >>set debris NozzleFlowConst 7280
NEWS >>set debris NozzleFlowExp 1822
NEWS >>set debris PressMaxNozzle 6.5
NEWS >>set debris FlowZero 17
NEWS >>set debris FlowLow 59
NEWS >>set debris FlowMin 65
NEWS >>set debris FlowMarginal 68
```

4.5.4 NEWS 200 SLAVE HEAD TEMPERATURE

Firmware 1.30 now allows the use of the `temp` command on main MCE, to monitor the link temperature for the slave thermal head. If the temperature sensor is not connected or is on a single-headed device, the following message is displayed:

```
NEWS>> temp
Frame Temp = 25.8 C
Screw Temp = 25.1 C
Coolant Temp = 0.0 C
Head link Temp = Disconnected
```

4.5.5 PROCESSOR BUSYWAIT NVS

This NVS parameter sets how long the plate should wait on the unload table while the processor is busy. This interval can be set to be from 0 seconds to 600 seconds (10 minutes).

Please be aware that overexposing a plate on light may damage the quality of the image.

The parameter can be accessed with this command:

```
>>set mhauto ProcessorBusyWait 90
```

4.6 THERMAL HEAD FIRMWARE

4.6.1 THERMAL HEAD 1.X BANDING DUE TO CORRUPTED STROKE TABLES

Thermal 1.x heads with head firmware version 1.93, 1.95, or 1.96 *and* LVD hardware version 4 or later may have stroke corruption when switching media. In these cases, the stroke table on one or more media is set to all 33s. This can cause image artifacts or banding.

Thermal 1.x head firmware version 1.97 has been released to fix this problem. All heads running firmware versions 1.93, 1.95, or 1.96 must be upgraded to firmware 1.97 as soon as possible.

Following the firmware upgrade, reset the device. The 33s in the stroke tables are active and have not been saved, so resetting the device will clear them. After resetting the

device, the head will perform a stroke cal automatically on the first plot as each media is selected.

5. FIXES AND SMALL FEATURES

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