

MCE TRENDSETTER 4/8 CONTROLLED RELEASE 4.0

ReadMe/Release Notes

Document Number
739-00157A-EN

2005-04-04

Creo Inc.
3700 Gilmore Way
Burnaby, BC
Canada V5G 4M1
(604) 451-2700

Copyright 2005 Creo Inc. All rights reserved.

This page intentionally left blank.

Revision History

Revision	Date	Author	Comments
1.0	January 26, 2005	Gary Theobald	CR 4.0 Initial Draft
1.1	February 2, 2005	Gary Theobald	Updated information on CFL, image mode, Media Console and Media Calibration Wizard
1.2	February 9, 2005	Gary Theobald	Added thermal head stroke corruption information
1.3	February 16, 2005	Gary Theobald	Added information on preventing Windows freeze
1.4	March 29, 2005	Gary Theobald	Removed Media Calibration Wizard from release
1.5	April 04, 2005	Gary Theobald	Added information on Service Host install with Multilanguage support

This page intentionally left blank.

MCE Trendsetter 4/8 Controlled Release 4.0
Release Notes

CONTENTS

Revision History i

1. Important Information 1
   - 1.1 Providing Feedback to Product Development 1
   - 1.2 Upgrading to CR 4.0 1
   - 1.3 Installing/Upgrading Service Shell with Multi-Language Support to avoid Windows Logoff Issues 1
   - 1.4 Creo Feature Licensing for Media Console, Service Shell Host Configuration TCP/IP Wizard 2
   - 1.5 Device Name Convention Change 2
     - 1.5.1 Brisque Direct 4.x Customers and TSM CR 4.0 2
     - 1.5.2 Host Configuration 3
   - 1.6 Image Mode 3
   - 1.7 Creo Consumables Customers 3
   - 1.8 Controlled Releases On Workstations 3
   - 1.9 Service Shell Version Checker 3
   - 1.10 Enabling USB Ports on the Device Workstation 4
   - 1.11 Microsoft Windows Freeze Solution 4

2. Controlled Release Package Information 4
   - 2.1 Component Information 4
   - 2.2 Device Qualification 5
   - 2.3 Limitations 5
   - 2.4 Dependencies 6
   - 2.5 Workflow compatibility 6

3. Installation/Upgrading 6
   - 3.1 Upgradeability 6
   - 3.2 Install/Upgrade Procedure 7

4. New Features 8
   - 4.1 Cross Component Functionality 8
     - 4.1.1 Creo Feature Licensing 8
     - 4.1.2 New Imaging Mode Implementation 8
     - 4.1.3 Support for Windows 2003 on PE 700 and Dell 2600 10
   - 4.2 Consumable Tools Functionality 10
     - 4.2.1 Inventory Assist 10
     - 4.2.2 Processor Monitor Interface and Processor Flow Control 10
     - 4.2.3 Processor Monitor Interface Remote Client Monitoring 11
   - 4.3 Print Console Functionality 11
     - 4.3.1 Print Console GUI and Operator Prompts Available in Eight Languages 11
     - 4.3.2 Ability to Keep OS X Hidden Files Out of Hot Folders 12
     - 4.3.3 Warning When Operator Deletes File 12
     - 4.3.4 Password Control on Configuration Hiding 12

4.3.5 Check for Invalid Media Thickness....12
4.3.6 View Menu....12
4.4 Service Tools Functionality....13
4.4.1 Host Configuration Wizard....13
4.4.2 Log Server Options....13
4.4.3 Test Plot Applet....13
4.4.4 Splot 4.01....14
4.4.5 Loop Test....14
4.4.6 Versioner....14
4.4.7 Head Swap Wizard Utility....14
4.5 Firmware Functionality....14
4.5.1 Maximum Drum Speed Increased to 400 RPM....14
4.5.2 Small Plate Size Validation....14
4.5.3 Plate Gone Post Delay NVS Parameter....15
4.5.4 Two Non-Quantum 4-Up Models Added....15
4.5.5 System Pressure Warning Threshold....15
4.6 Thermal Head Firmware....15
4.6.1 Thermal Head 1.x Banding due to Corrupted Stroke Tables....15

5. Fixes and Small Features....16

This page intentionally left blank.

1. IMPORTANT INFORMATION

Trendsetter® II (TSM) 4/8 Controlled Release (CR) 4.0 has a number of new features that are important to both Customer Services and Solutions (CS&S) and the customer. Familiarize yourself with this information before installing this Controlled Release.

1.1 PROVIDING FEEDBACK TO PRODUCT DEVELOPMENT

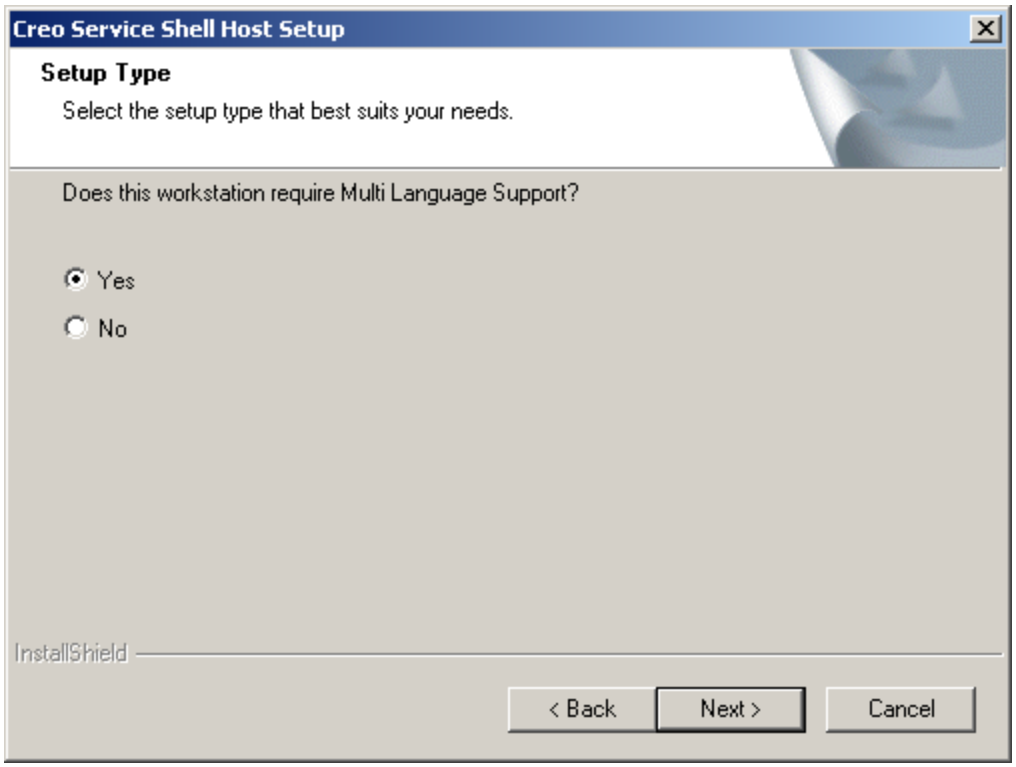
To ensure that these Release Notes are being read so that we can continue this trend (there are a number of people involved in producing, editing and publishing this document), please e-mail gary.theobald@creo.com upon reading this document. Feel free to suggest changes to the format and quantity/quality of material.

1.2 UPGRADING TO CR 4.0

It is *mandatory* for this Controlled Release that *all components be updated* to the TSM 4/8 Controlled Release 4.0 level. Due to the scope of changes for Creo Feature Licensing, image mode, device model naming conventions, 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 INSTALLING / UPGRADING SERVICE HOST WITH MULTI-LANGUAGE SUPPORT TO AVOID WINDOWS LOGOFF ISSUES

Service Shell 2.6 Host needs to be installed or upgraded with Multi-Language support enabled in all cases. Customers will be unable to logoff from any accounts (e.g. Administrator, pcoperator) without this feature being enabled and will need to hard reset the computer. To enable the feature, click 'Yes' on the following install screen:



1.4 CREO FEATURE LICENSING FOR MEDIA CONSOLE, 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 (more information is available in New Features – Host Configuration Wizard). Media Console uses feature licensing with a service license for the application as well as customer license for the medias that are running on the device.

If installing/using any of these components, the CSE will need a service dongle. In the case of Media Console, the customer will need a customer dongle.

In all cases, Creo Feature Licensing (as well as .NET architecture) needs to be installed (both of which are included on the CR 4.0 CD). Please read the information below in New Features - Creo Feature Licensing.

1.5 DEVICE NAME CONVENTION CHANGE

Print Console and firmware versions (pre-CR 4.0) had different naming conventions for output devices (specifically Type II designations such as Trendsetter 800 II). This naming convention was corrected in Print Console 3.17 and MCE main firmware 1.28.

1.5.1 BRISQUE DIRECT 4.X CUSTOMERS AND TSM CR 4.0

Brisque Direct 4.x uses these naming conventions to connect to Print Console—thus, as the name conventions have changed in Print Console, Brisque® also needs to be set up with these new conventions. It is *mandatory* for MCE devices that you are using Brisque 4.1.76 Output Update 5 (you can find more information on updates in the Techplanet document List of available updates on top of Brisque version 4.1 - 634-00015A Support Kit). It is also *mandatory* that you install the LUT patch in the Controlled Release CD

Patches/Brisque folder—instructions are included in this folder on the setup procedure.

1.5.2 HOST CONFIGURATION

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

1.6 IMAGE MODE

Media Image Mode settings have changed for this Controlled Release—if using a media that needs separate media slots for AM and FM, please ensure you read the information below in New Features – New Imaging Mode Implementation.

1.7 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. More information is available below in New Features – Inventory Assist. As well, a release of the Processor Monitor Interface is available – this version not only tracks the usage of chemistry by the processor, it also connects with Print Console to allow processor flow control of plates into the processor from an automatic device. More information is available below in New Features – Processor Monitor Interface and Processor Flow Control.

1.8 CONTROLLED RELEASES ON WORKSTATIONS

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

It is best practice for when a CR is updated at a customer's site by a CSE that this new CR is copied to this same folder under its controlled release version to ensure 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 once ensuring that the device is running correctly. This ensures that versions of software that are not Feature Licensed are not available for customers/third-party service to downgrade and bypass security features implemented in newer CR packages.

1.9 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. Find Version Checker in the **Tools** menu of Service Shell Client. It is *mandatory* that the CSE installing the CR run Version Checker before and after a CR upgrade to show which software and firmware components need to be updated and/or are currently installed. Ensure that you have upgraded Service Host and Service Shell as well as upgraded the device version configuration file provided with each Controlled Release to ensure you are checking against the latest Controlled Release version information.

1.10 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, please ensure you follow the procedure Enabling USB Ports - 709-00208A-EN-A-PR01.pdf in the **Release Notes** folder of the Controlled Release CD.

Note: **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 underneath the light grey molded flip-up cover.

1.11 MICROSOFT WINDOWS FREEZE SOLUTION

There is an issue on Microsoft® Windows® 2000 Professional and possibly Windows 2000 Server with an intermittent freeze problem. This freeze occurs upon opening Windows Internet Explorer and trying 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 method of restarting is doing a hard boot by holding down the power button until the workstation shuts down, and then pushing the power button to start the workstation back up.

The following procedure solves this issue.

1. Start Internet Explorer and select **Tools > Internet Options**. Select the **Advanced** tab.
2. In the **Advanced** tab:
   - Clear the check box **Disable Script Debugging (Internet Explorer)**
   - Clear the check box **Disable Script Debugging (Other)**
   - Select the check box **Enable third-party browser extensions (requires restart)**
3. If **Enable third-party browser extensions (requires restart)** changed, quit Internet Explorer and restart Windows. If not, skip to step 5.
4. Start Internet Explorer again and select **Tools > Internet Options**. Select the **Advanced** tab.
5. In the **Advanced** tab:
   - Set the check box **Disable Script Debugging (Internet Explorer)**
   - Set the check box **Disable Script Debugging (Other)**
   - Clear the check **box Enable third-party browser extensions (requires restart)**
6. If **Enable third-party browser extensions (requires restart)** changed, quit Internet Explorer and restart Windows.

2. CONTROLLED RELEASE PACKAGE INFORMATION

2.1 COMPONENT INFORMATION

Component	Version

Print Console	3.17.0
Service Shell	2.6.0
Media Console	1.3.1
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 firmware	1.28
MCE Xilinx	2.23
MCE Core Firmware Bundle	1.3
Thermal head 1.x firmware	1.97
Brisque Agent	1.00.057
Version config file	TS-400-800-II.ini

CR SW kit: 634-00142B

CR CD only: 651-0057G

2.2 DEVICE QUALIFICATION

The following devices have been qualified with this Controlled Release:

- Trendsetter 400/800 II
- Trendsetter 400/800 II Spectrum
- Trendsetter 400/800 II ContinuousLoad
- Trendsetter 400/800 II Autoloader
- Trendsetter 400/800 II ContinuousLoad Spectrum
- Trendsetter 400/800 II Autoloader Spectrum

The following heads have been qualified with this Controlled Release:

- Thermal head 1.7

2.3 LIMITATIONS

- Brisque Direct—Brisque version 4.1 output update 5 + LUT patch required.
- Media Console 1.3—New Database not compatible with Media Console 1.1 database (no upgrade path—must be manually done by Service Tools team)
- 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 greater

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, it is mandatory to upgrade to 4.1.76 Output Update 5 + LUT patch. See Important Information – Brisque Direct 4.x Customers and CR 4.0
  Note: If using the Manual Load option, it is mandatory to upgrade to Brisque Agent 1.00.057 to enable this option correctly (if running Brisque Agent 1.00.053 and below).
- Brisque Direct 5.0
  Note: It is recommended that Brisque 5.0 is upgraded to Update 10.
  Note: If using 'Manual Load' option, it is mandatory to upgrade to Brisque Agent 1.00.057 to enable this option correctly (if running Brisque Agent 1.00.053 and below).
- Prinergy 2.3
- Prinergy Evo 1.2
  Note: Prinergy Evo 1.2 has not been released at the time of this Controlled Release. Testing is still underway both in-house and at field test sites.
- TIFF Connectivity via Print Console 3.17 (Tiff Downloader)
- Allegro 2.1—TIFF Connectivity via Allegro Console
- CRI Workflows: Not available—CRI no longer supported with Print Console 2.1 and later

3. INSTALLATION / UPGRADING

3.1 UPGRADEABILITY

This Controlled Release has only been tested with upgrades from MCE TS 4/8 Controlled Release 3.x. 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.	
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—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 the host configuration from Service Host and configure to correct device model.	0.10 hour
Version Check After installing the SS 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 on 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, 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) and configure settings in firmware if necessary.	0.5 hour
Workflow Brisque: Update versions as documented and reconfigure devices Prinergy: No update necessary Prinergy Evo: No update necessary	
Version Check After all firmware and software have been upgraded, 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	1.5 hours

Check that device and all applications are functional including load/unload of small/medium/large size media	

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. Licenses/dongles can be obtained by following the procedures posted on Techplanet.

TSM 4/8 CR 4.0 licenses four features—service usage of Service Shell Host Configuration TCP/IP wizard, media usage within Media Console and Print Console combinations, and service usage of Media Console.

SERVICE USAGE LICENSES

The service dongle or a service license is required to run Media Console 1.3.1 or the TCP/IP configuration portion of Service Shell's 2.6 Host Configuration Wizard.

CUSTOMER USAGE LICENSES

Media Calibration Wizard (available in CR 4.x update) is meant to be a customer tool—thus, a customer dongle with a customer license is required (or a service dongle/license can be used) to enable this tool.

MEDIA USAGE LICENSES

Media Console now supports CFL (you no longer require a password to run Media Console). Proofing media are licensed by vendor name (for example, DuPont®, KPG®, and Fuji®) and may expire on a certain date or have a permanent license. All non-proofing media are not currently licensed. Media Console will not start until a license has been granted for one of the above types of media.

Licenses must be obtained for proofing media before you can install media to be used with Media Console. For more information about installing the components of the Creo Feature Licensing system, refer to the feature licensing documentation.

Print Console 3.17 now displays the date on which the license expires in the new **Device Media Date** box (if the system is using the media database—look for the `Media Manager Enabled` message in the Print Console messages box during a device query/flush).

4.1.2 NEW IMAGING MODE IMPLEMENTATION

Note: The Imaging and Print and Output Devices group recommends that all media can 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 will have 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 there are two media slots configured, one corresponding to FM and the other to AM. Read the information below for more information.

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`) as 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 Media Manager option is enabled in firmware, the IDs will not be displayed. In both cases, the checkbox beside the AM/FM imaging mode ID will display whether the media is configured for that mode. This slot validation process has been improved and these configured checkboxes and ID values will now display the following information (ID values will not be visible if 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 checkbox - ID value displays:	Checked - <*Slot ID for AM*>	Not Checked - N/A	Checked - <*Slot ID for AM*>
The **FM imaging mode ID** configured checkbox - ID value displays:	Checked - <*Slot ID for FM*>	Checked - <*Slot ID for FM*>	Not Checked - N/A

SERVICE TOOLS

Media Console, Service Shell Test Plot, and all upcoming service tools dealing with media will show the image mode(s) of the media that is being used.

MEDIA IMAGEMODE CONFLICTS

Note: In the case of a conflict with two media slots with the same name and colour being setup 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 medias. Two possible 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 colour values are the same).

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 operating systems will begin to appear with installations of Prinergy Evo and will likely appear on most workstations (other than Prinergy 2.x systems as Prinergy 2.x is not qualified for Windows 2003) by mid-to-late 2003.

4.2 CONSUMABLE TOOLS FUNCTIONALITY

4.2.1 INVENTORY ASSIST

Inventory Assist (IA) is now included in the CR package. Inventory Assist is a Creo application 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 titled *Setting Up Print Console for Inventory Assist* (part number 734-00162A-EN). For information about the entire Inventory Assist system, see the *Inventory Assist Administration Guide* (part number 719-00389A-EN).

4.2.2 PROCESSOR MONITOR INTERFACE AND PROCESSOR FLOW CONTROL

Processor Monitor Interface is now included as part of the Controlled Release package. Processor Monitor Interface 2.05 is a software package to allow monitoring of Creo Plate Processors. It is a software application 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).

In order for connection to Print Console and MCE devices for flow control, the option can be enabled in firmware by typing the following command:

```
>>option ProcessorInterface enable
```

Likewise, to disable this mode, type:

```
>>option ProcessorInterface disable
```

Print Console 3.17 has processor flow control capability for output devices that can automatically unload to a processor. This new feature allows Print Console to receive status messages over a socket connection with the Processor Monitor Interface (PMI).

The PMI sends Print Console one of three status messages: ready, wait, or fault. If the status is different from the previous status, or if more than five seconds has lapsed between status messages, Print Console sends the status to the firmware, where it is used to determine the readiness of the processor.

If Print Console starts up, PMI is unavailable, and the option is enabled in firmware, Print Console sends a fault message to the device every 30 seconds. In this case, operators receive a prompt each time a plate has finished imaging, advising them to ensure that the processor is free before they unload the plate. However, the plate will not unload, as these faults cannot be resumed—the option must be disabled in firmware for continued production.

This feature is currently limited to one processor.

4.2.3 PROCESSOR MONITOR INTERFACE REMOTE CLIENT MONITORING

Processor Monitor Interface 2.05 now allows a distributed PMI install: the server-side installation, as usual, will be installed on the PC connected to the processor; but now the user interface can be installed on a different PC for easier monitoring. Multiple user interfaces can be installed on multiple PCs.

The client can be started by adding an IP address as a command line parameter for PMI user interface. 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 indicated in the command line, instead of the local PrAPI server.

4.3 PRINT CONSOLE FUNCTIONALITY

4.3.1 PRINT CONSOLE GUI AND OPERATOR PROMPTS AVAILABLE IN EIGHT LANGUAGES

In Print Console version 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 on the **[system]:\I386\ folder** and select the appropriate locale.

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 machine—for example, dropped into a Print Console hot folder—it shows up as two files:

- The file that is to be imaged, named: **<file name>.TIFF**
- Another file containing the resource information, named: **.<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 Technical Bulletin *Blocking Hidden Mac OS X Files From Print Console Hot Folders* (734-00200A-EN), 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 using the CTRL+ALT+C keystroke. 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 readonly 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

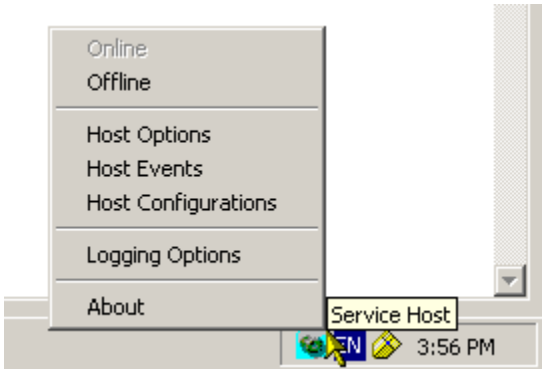
Print Console 3.17 now has a **View** menu, where you can select panes that are hidden during normal use. Previously these hidden panes were accessible only with keystrokes and, in the case of the **Service** pane, a password.

- 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.

4.4 SERVICE TOOLS FUNCTIONALITY

4.4.1 HOST CONFIGURATION WIZARD

Service Shell 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 Host Configuration Wizard by right-clicking the **Service Host** icon in the system tray of the workstation.



Host Configuration Wizard auto-detects 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 and which are not.

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

MCE TCP/IP CONFIGURATION

TCP/IP configuration for MCE-based systems is now available in the Service 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: 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

Service Shell 2.6: 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/upgrade has finished. For more information on Version Checker, see Important Information – Service Shell Version Checker.

4.4.7 HEAD SWAP WIZARD UTILITY

Media Console 1.3.1 provides a new Head Swap Wizard utility that replaces an existing Media Manager database with the one that comes configured with the replacement head. If the imaging data block format in the new database is not compatible with the CTP device format (that is, from MPE to MCE format or vice-versa), the appropriate conversion is performed on the database.

4.5 FIRMWARE FUNCTIONALITY

4.5.1 MAXIMUM DRUM SPEED INCREASED TO 400 RPM

MCE Main Firmware 1.28: for plates that are 305 microns thick or less, the maximum allowable drum speed has been increased to 400 rpm. For plates thicker than 305 microns, the maximum allowable drum speed is 360 rpm. There will be an updated specification for some MCE Trendsetter 4/8 device model types released by the TS 4/8 Core Team.

4.5.2 SMALL PLATE SIZE VALIDATION

MCE Main Firmware 1.28: plate size is now validated based on both the load method and the unload method on automatic devices (such as CL and AL). Previously, plate size was validated only on loading – this has been extended to unloading. This is to ensure that very small plates cannot be unloaded automatically causing a device failure due to the plate not reaching the unload cups.

4.5.3 PLATE GONE POST DELAY NVS PARAMETER

MCE Main Firmware 1.28: this NVS parameter is used to set how long 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.

4.5.4 TWO NON-QUANTUM 4-UP MODELS ADDED

MCE Main FW 1.28: two non-Quantum device configuration models have been added. They are the Trendsetter II 400 S (TS4_SE) and the Trendsetter II 400 V (TS4_VE) models. There is now a demand for some of these devices and the models were previously missing from the list.

4.5.5 SYSTEM PRESSURE WARNING THRESHOLD

MCE Main FW 1.28: a warning prompt will now be sent to Print Console if the system pressure ever drops to within 5 psi of the system pressure threshold. To see the current system pressure, system pressure fault threshold and system pressure warning levels, use the `system` command:

```
TSSP>> system
System Pressure : 556 kPa (80 PSI; 770 counts)
Threshold : 487 kPa (70 PSI; 679 counts)
Warning : 521 kPa (75 PSI; 724 counts)
5V Logic VCC : 5.02 volts (515 counts)
24V Fuse Sense : 24.03 volts (793 counts)
24V Safe Sense : 24.03 volts (793 counts)
48V Safe Sense : 48.12 volts (751 counts)
```

If the pressure stays below the warning level (and above the fault threshold level), the warning prompt will be refreshed about every 15 minutes to nag the operator that the system pressure is nearing the fault threshold and requires attention. Changing the NVS `prd SysThresh` will set the fault threshold (as it always has), but it will now also set the warning threshold (to 5 psi higher).

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 see 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, both available in the **Release Notes** folder and on the component install folder on the Controlled Release CD.