

Magnus VLF

Controlled Release 3.1 Release Notes

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2	20 June 2006	A.Blignaut	First edit
3	10 July 2006	A.Blignaut	Corrections made to limitations table and installation/upgrade procedures
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1. IMPORTANT INFORMATION

Magnus VLF® Controlled Release 3.1 (CR 3.1) has new features, specifications and fixes that are important to both Customer Services and Solutions (CS&S) and the customer. Familiarize yourself with this information before installing this controlled release.

Usually, the CR release notes only describe incremental changes to previously released controlled releases. But because CR 3.0 had a new architecture for several critical subsystems, this document may have some information that has already been described in the previous release.

1.1 Supported Configurations and Features

1.1.1 Workflow Support

The workflow support in CR 3.1 is summarized in the following table.

Table 1

Workflow	Input File Formats	Supported	Data Path Supported	
			SCSI **TMCE**	Gigabit Ethernet **GMCE**
Prinergy Connect 3.1	PDF, PS, DCS, EPS, CT/LW, TIFF/IT	CR 3.0 and higher	✓	✓
Prinergy Evo 3.1 - Normalize	PDF, PS, DCS, EPS, CT/LW, TIFF/IT	CR 3.0 and higher	✓	✓
Prinergy Evo 3.1- Output from PostScript	PS	CR 3.0 and higher	✓	✓
Prinergy Evo 3.1– TIFF	1-bit TIFF	CR 3.0 and higher	✓	✓
Brisque 5.2 **Via Screen2Go and Evo TIFF Hot Folders**	CT/LW, PDF, ICF,TIFF (1-bit, IT, 8-bit)	CR 3.0 and higher	✓	✓
3rd Party Workflows via Evo TIFF Hot Folders	3rd party	CR 3.0 and higher	✓	✓

CR 3.1 supports Prinergy 3.1 and/or Pinergy Evo 3.1 and Print Console 4.5 running on the same render station.

See workstation limitations and dependencies table for details.

1.1.2 TMCE and GMCE Support

TMCE is supported in CR 3.1 via the usual SCSI cable plus two RS232 cables.

GMCE is the new electronics board in Magnus VLF Series 2 devices. This is supported in CR 3.1 via a point-to-point Gigabit Ethernet connection that requires an additional Gigabit Ethernet card in the workstation.

Workstations shipped from the factory will have the network card pre-installed. Workstations upgraded to GMCE connectivity in the field must have an additional network card installed, as described in the *TMCE to GMCE Upgrade Procedure* document.

1.2 Installation Requirements

Control Release Installer check list

Ensure that you have the following items before installing this controlled release:

- Customer feature dongle (navy blue)
- Customer device license (xml file)
- Service dongle (teal) (*Service Shell 3.x requires a service license in order to operate; this replaces the password mechanism*)
- Hardware upgrade components (if necessary)
- CR 3.1 CD (all components plus CR Installer)
- Prinergy Evo 3.1 install/upgrade CD's and Evo license (for TIFF/EVO configurations)
- 2 GB RAM on the Print Console workstation (necessary for system stability)
- RS232 cable may be required to update HCS12 firmware on GMCE
- USB cable may be required for "back door" service access to GMCE
- Ethernet cable for connection the device to the workstation (shipped with the device)

1.3 Related Documents

The following documents are required reading for CR 3.1 installation and should be followed step-by-step during the installation process:

- TMCE to GMCE Upgrade procedure
- Print Console 4.5 Installation Guide

The following documents are highly recommended reading for additional reference and troubleshooting information:

- Service Shell 3.0 Release Notes
- GMCE Core Firmware Installers Guide
- Magnus VLF Product Firmware 1.14 Release Notes
- Print Console 4.5 Release Notes
- TH2 V1.06 Release Notes
- SCON Firmware Installer Guide
- See the **Feature Licensing** page on TechPlanet for further information about feature licensing, including how to order dongles and install device licenses (http://techplanet.creo.com/output/service_tools/service_shell/nav/v2-x/feature_lic_info.htm)

1.4 Upgrading to CR 3.1

It is mandatory for this controlled release that all components be updated to the Magnus VLF CR 3.1 level due to the high level of complexity, the new interactions between Print Console, firmware and Service Shell and the introduction of Creo Feature Licensing.

1.5 Controlled Release Installer

This controlled release is by far the most complex system Kodak has released in terms of number of components and dependencies between those components. There is now a Controlled Release Installer (CR Installer) that will be used for installation of all components (with the exception of TMCE main and core firmware). This document will be shown at the launch of the installer.

1.6 Creo Consumables Customers

The beta program for Inventory Assist has been discontinued at this time. Uninstall Inventory Assist prior to installing CR 3.1.

1.7 Workflow Information

There are important notes in regards to upgrading and usability of workflow with Magnus VLF CR 3.1.

1.7.1 Print Console 3.x Tiff Downloader upgrades

Print Console 3.x Tiff Downloader (TDL) has now been replaced with a combination of Print Console 4.x and Prinergy Evo 3.1. Prinergy Evo has amalgamated most of the TDL functionality while Print Console retains the plate and media setup information. Several steps must be taken before upgrading Print Console 3.x and after installing Print Console 4.x and Prinergy Evo. For more information, see the section on Print Console 4.5.

1.7.2 Brisque Direct functionality not supported

Brisque Direct connections to Print Console 4.x is not supported in this release.

Brisque Direct customers upgrading to CR 3.0 must switch to a Brisque Screen 2 Go (S2G) configuration, including Prinergy Evo TIFF Downloader.

1.7.3 Prinergy Evo 3.1 supports queue management improvements

See Prinergy Evo 3.1 for details.

1.7.4 Prinergy 3.1

It is mandatory that customers running Prinergy 1.x and 2.x versions of Prinergy upgrade to the latest released version of Prinergy 3.1.

1.8 CR 3.1 Main Firmware NOT Downgradeable to CR 2.0

Due to security concerns, once CR 3.1 main firmware has been loaded, it is not possible to downgrade firmware back to previous CR 2.0 level. Ensure that you have the customer dongle and license files before continuing, as well as being upgraded to the CR 2.0 level.

CR 3.1 can be downgraded to CR 3.0 . Follow CR 3.0 installer prompts .

1.9 Creo Feature Licensing

Firmware now uses Creo Feature Licensing 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, Creo Feature Licensing (as well as .NET architecture) needs to be installed. Both are included on the Magnus VLF CR 3.1 CR CD and will be installed by the CR Installer. CR 3.1 requires a device license in order to operate. Ensure that the device license is available before starting the upgrade. A script is available (VerifyMagnusVLFDeviceLicense.spt) to check the machine configuration against the license, before proceeding with the upgrade.

More information is available in Major Features and Fixes - Creo Feature Licensing.

1.10 Magnus VLF Series 2

Magnus VLF Series 2 is being released to production. This is a new bundled release of Magnus VLF which includes:

- Improved throughput for all speed grades.
- Addition of a new X-speed option (see below).
- Addition of a new Delicate Media Picker option (see below).

CR 3.1 supports both Magnus VLF Series 1 (i.e. TMCE machines already installed in the field) and Magnus VLF Series 2 devices.

1.10.1 Magnus VLF X-speed option

CR 3.1 supports the X-speed option. This new speed upgrade is available for purchase by all Magnus VLF MCU and ContinuousLoad device customers. It involves hardware upgrades to GMCE and Thermal 3.x as necessary, as well as the appropriate license.

Note: X-speed is not supported on the Semi-Automatic devices.

1.10.2 Delicate media picker option

CR 3.1 supports the Delicate Media (DM) picker option. This option allows for picking of delicate media for fully automatic devices. It involves hardware upgrades as necessary and the enabling of the option in firmware.

2. CONTROLLED RELEASE PACKAGE INFORMATION

2.1 Component Information

Table 2

Component	Version
Print Console	4.5.0.86
Service Shell	3.0.23
Creo Feature Licensing	2.1.5
License Definition Files	2
GMCE and MCE main firmware	1.14.23
GMCE Core Firmware and Xilinx	1.26
MCE Xilinx	2.36
SCON Installer	1.22
Thermal head 2.x firmware	1.06
Thermal head 3.x firmware	1.03.06
Version config file	Magnus VLF.ini

CR software (SW) kit: 634-00222C

CR 3.1 CD only: 651-00128D

Orders for SW kits and CDs can be done via the Response Center (RC) (or CD.Requests@creo.com for CD only). Upon request, the kits can be moved to FTP sites or tokens emailed for downloading.

2.2 Device Qualification

The following devices (both GMCE and TMCE) have been qualified with this controlled release:

- Magnus VLF SemiAutomatic
- Magnus VLF ContinuousLoad
- Magnus VLF Multi-Cassette Unit

The following heads have been qualified with this controlled release:

- Thermal head 2.x
- Thermal head 3.x

The following speeds have been qualified with this controlled release: S, F, V, and X.

2.3 Limitations and Dependencies

Table 3: Render station limitations and dependencies

Hardware Platform	**Workstation**		**Performance Server**		**Premium Server**	
	Optiplex GX280, GX620, GX270 or higher		PE800, PE830 or higher		PE2600, PE2800 or higher	
Minimum RAM	2 GB		2 GB		2 GB	
Magnus Configuration	TIFF	PDF or PDF and TIFF	TIFF	PDF or PDF and TIFF	TIFF	PDF or PDF and TIFF
TH2.x, S & F speed (TMCE)	OK	OK	OK	OK	OK	OK
TH2.x, V speed (TMCE)	OK	X	OK	X	OK	OK
TH2.x, S & F speed (GMCE)	OK	OK	OK	OK	OK	OK
TH2.x, V speed (GMCE)	OK	X	OK	X	OK	OK
Th3, X speed (GMCE)	X	X	X	X	OK	OK

The workstation performance depends on the hardware platform, device configuration, and the complexity and efficiency of the files being rendered.

Examples of efficient data: Good vector PDF files, TIFF.

Examples of inefficient, slow data: Un-optimized Copydot format and other file formats generated by various workflows and workflow options. These files create a large display list

that the RIP must write to its local disk during the interpretation of the job creating a disk bottleneck.

- Older Dell® workstations may have inadequate performance.
- Allegro Console not qualified for Windows 2003
- Brisque Direct Connection with Print Console 4.5 and Prinergy Evo 3.1 has not been qualified and will not function – Brisque Screen2Go (S2G) is recommended
- Supporting OS: Microsoft Windows 2000 Professional, Microsoft Windows 2000 Server, Microsoft Windows XP Professional or Microsoft Windows 2003 operating systems on workstation
- Internet Explorer 6 or greater must be installed to support this release.

2.4 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 5.2 S2G via Print Console 4.5 and Prinergy Evo 3.1 – Brisque Direct connection with Print Console 4.x and Prinergy Evo 3.1 has not been qualified and will not function.
- Prinergy 3.1.0.2
- Prinergy Evo 3.1.6.2
- TIFF Connectivity via Print Console 4.5 and Prinergy Evo 3.1.6.2

3. CR 3.1 INSTALLATION/UPGRADING

3.1 Upgradeability

This controlled release has only been tested with upgrades from MCE Magnus VLF Controlled Release 2.x. It is likely that upgrades from previous versions are possible, but they have some risk level.

3.2 Installation/Upgrade Procedure

Total time: 2 hours

Task	Time
Dependencies Review the Dependencies before beginning.	
Patches Check the **Patches** folder and apply any patches as documented in the Readme files.	

CR 3.1 : A new installation. GMCE	
1. Run CRInstaller.exe and follow the prompts. CR installer will install the following components: Service Host Creo bootp server Creo Feature Licensing Definition Files Configure Service Host GMCE core firmware DCAPI server Service Shell client GMCE main firmware Head firmware Satellite board firmware Print Console and support tools Verify components version 2. Install the Site Installer CD that comes with the device and follow the prompts. CD installer will copy the NVS parameters to the device workstation. See 4.2 for details. 3. Reset the device. 4. Launch Service Shell client and run the VerifyDeviceLicense scipt from scripts\device applet. 5. Install the Customer Device License if it has not already been installed on the workstation. See Appendix A for details.	
CR 3.1 : A new installation. TMCE	
1. Verify that NVS backup has completed. 2. Run CRInstaller.exe and follow the prompts. CR installer will install or update the following components: Service Host Creo Feature Licensing and Definition Files Configure Service Host DCAPI server Service Shell client TMCE core firmware Head firmware Satellite firmware Print Console and support tools Verify components version 3. Complete steps in Post Installation Instructions 4. Launch Service shell and run firmware upgrade scripts from script applet. - main firmware script will download 5981FMWp11423.bin file - head firmware script will download TH2fmw106.bin 5. Install the Customer Device License. See Appendix A for details.	

6. Reset the device.	
CR 3.1 : Upgrade from CR3.0. GMCE	
1. Run Backup and Restore applet. NVS back up files will be created. 2. Run CRInstaller.exe and follow the prompts. CR installer will install or update the following components: Service Host Creo bootp server Creo Feature Licensing and Definition Files Configure Service Host GMCE core firmware DCAPI server Service Shell client GMCE main firmware Head firmware Satellite board firmware Run Migration Importer utility. See Appendix C: Migration Settings for PC from Print Console Installation Guide Print Console and support tools Verify components version 3. Reset the device.	
CR 3.1 : Upgrade from CR3.0. TMCE	
1. Verify that NVS backup has completed. 2. Run CRInstaller.exe and follow the prompts. CR installer will install or update the following components: Service Host Creo Feature Licensing and Definition Files Configure Service Host DCAPI server Service Shell client TMCE core firmware Head firmware Satellite firmware Print Console and support tools Verify components version Complete steps in Post Installation Instructions 3. Launch Service shell and run firmware upgrade scripts from script applet. - main firmware script will download 5981FMWp11423.bin file - head firmware script will download TH2fmw106.bin 4. Install the Customer Device License. See Appendix A for details. 5. Reset the device.	
CR 3.1 : Upgrade from CR2.0 .TMCE device	
1. Verify that NVS backup has completed. 2. Run CRInstaller.exe and follow the prompts. CR installer will install or update the following components:	

Service Host Creo Feature Licensing and Definition Files Configure Service Host DCAPI server Service Shell client TMCE core firmware Head firmware Satellite firmware Perform PC migration Exporter setup. See App.C:Running Exporter tool from Print Console Installation Guide. Print Console and support tools Verify components version 3. Complete steps in Post Installation Instructions 4. Launch Service shell and run firmware upgrade scripts from script applet. - main firmware script will download 5981FMWp11423.bin file - head firmware script will download TH2fmw106.bin 5. Install the Customer Device License. See Appendix A for details. 6. Run Migration Importer utility. See App.C:Migration settings for PC from Print Console Installation Guide. 7. Reset the device.	
CR 3.1 : Upgrade from CR 2.0.GMCE device (TMCE to GMCE upgrade)	
1. Verify that NVS backup has completed. 2. Run CRInstaller.exe and follow the prompts. CR installer will install or update the following components: Service Host Creo bootp server Creo Feature Licensing and Definition Files Configure Service Host GMCE core firmware DCAPI server Service Shell client GMCE main firmware Head Firmware Satellite board firmware Perform PC migration Exporter setup. See App.C:Running Exporter tool from Print Console Installation Guide. Print Console and support tools Verify components version 3. Complete steps in Post Installation Instructions. 4. Install the Customer Device License. See Appendix A for details. 5. Run Migration Importer utility. See App.C:Migration Settings for PC from Print Console Installation Guide. 6. Copy the MCE binary NVS RAM file(xxx_ram.nvsbin) from serviceshell\firmware to creo\firmware\gmce 1.14.xx directory. 7. Go to creo\firmware\gmce1.14.xx from DOC command prompt and run the utility >>nvsconvert <MCE binary nvs ram file name>	

8. Copy converted GMCENVS00.bin file to creo\firmware. 9. Manually download the following parameters from the backup file: set debris set prd See TMCE to GMCE procedure for details. 10. Reset the device. 11. Functionality Check - check that device and all applications are functional including load/unload of small/medium/large size media.	
Workflow Prinergy Evo: Upgrade to Prinergy Evo 3.1 • If upgrading from Print Console 3.x, ensure that the importer tool is run to import settings into Prinergy Evo Prinergy: Upgrade to Prinergy 3.1	
Appendix A **Install Feature Dongle and Device License** Customer Feature Dongle (navy blue), and a device license are required for installing CR 3.1. Once the dongle has been plugged into the computer, the device license is installed using the Creo License Manager program, as follows: Select **File/Open** and browse to the xml license file OR Click **Paste New License** and paste the device license (full xml string) into the dialog box. Further information is available on the Feature Licensing page on TechPlanet (http://techplanet.creo.com/output/service_tools/service_shell/nav/v2-x/feature_lic_info.htm).	
Appendix B **Install applicable patches for control release components.** Check control/settings page on techplanet and find patches for selected subsystem.	

4. FEATURES AND FIXES

4.1 Cross Component Functionality

4.1.1 CTP Feature Licensing (CFL)

TMCE and GMCE Magnus VLF licenses two feature sets—firmware features and device configurations; Service Shell.

Further information is available on the Feature Licensing page on TechPlanet (http://techplanet.creo.com/output/service_tools/service_shell/nav/v2-x/feature_lic_info.htm)

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. Whenever the device is powered on, the firmware automatically attempts to connect with the Creo License Manager. Once it connects, it 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 any time 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 and 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 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.

Installing a Device License

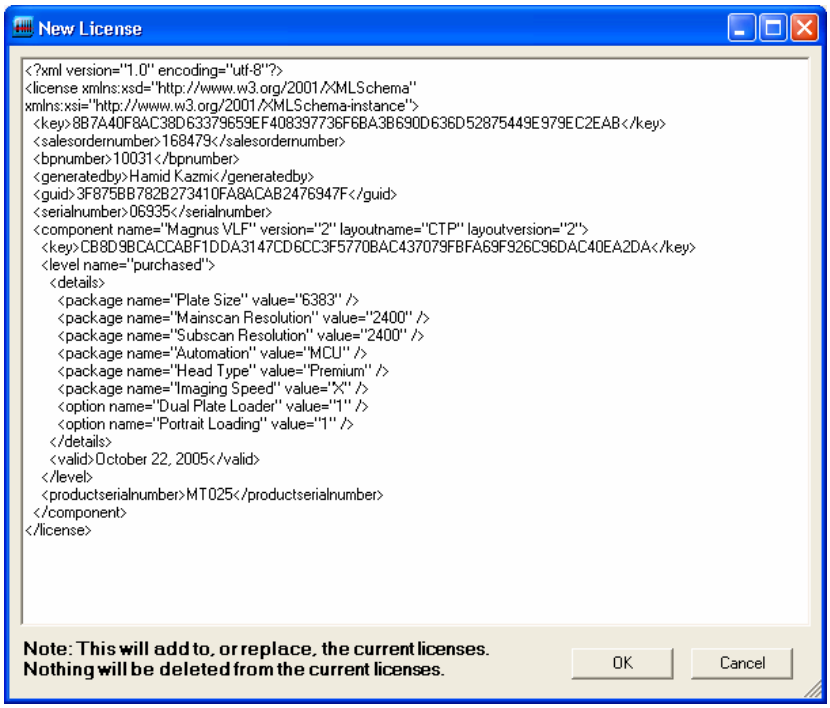
You must have a device license file (xml) in order to run the device. Note that the device license must be matched with the correct dongle id, or the license will not function.

The device license may be obtained in a number of ways:

- If the workstation is shipped from the factory, the device license will be preinstalled on the workstation.
- The license is sent to the installation planner when it is generated by the licensing group in Burnaby.
- The license may be retrieved via the CFL licensing web generator page (http://master.creo.com/cflwebgenerator/). Scroll down to the **License Searching** section, enter the Dongle serial number (for example: C06935) or device serial number (for example: MT072), and click **Find**. You must be on the creo domain to access this website.
- If you have trouble obtaining a license in any of these ways, the Response Center can help you search for a license. The Response Center can also generate a time-limited emergency license if do not have a proper device license.

To install the device license:

- Ensure that Customer Feature Dongle (navy blue) has been plugged into the computer and that the LED on the dongle is lit.
- Install the license using the Creo License Manager program. This can be done as follows:
  - Select File/Open and browse to the xml license file, or
  - Click Paste New License, paste the device license (full xml string) into the dialog box, and click OK (this method is shown below).



Feature Licensing and Options

The **option** command now operates slightly differently than in previous releases because of feature licensing. Previously the **option** command would display only options relevant to the particular configuration. This has been removed, and now all options will be displayed regardless of the current configuration.

Also, some options will now require a license in order be enabled. The **option** command displays which options need a license, and which options are already licensed:

```
>>option
Current Options
---------------
          Autoloader option is disabled
                 MCU option is disabled
           Edge Detect option is disabled
             No Button option is disabled
            Large Drum option is disabled
              Portrait option is disabled  Requires license
          Debris UDRCB option is disabled
            Dual-plate option is disabled
               Rotator option is disabled  Requires license
           RightToLeft option is disabled
               Chiller option is disabled
 Processor Interface option is disabled  Requires license
               Z-Stage option is disabled
     New Safety Loop option is disabled
                 VMR option is disabled  Requires license
            DM Picker option is disabled
```

Make sure you only enable the options that are relevant to the device, many options relate specifically to hardware, and enabling the wrong option may have negative consequences.

Print Console and Creo Feature Licensing

With CFL, Print Console determines which features are licensed by asking the device (firmware). The firmware communicates directly with the CFL server to determine which device and workstation options are licensed. When Print Console starts, it asks the device which features are licensed. Print Console will not allow jobs to be processed until the licensed features have been determined. If a new feature is licensed or a license expires for an existing feature, the operator will be notified via a Print Console operator prompt and Print Console will go through the startup procedure described above. If CFL encounters an error, the operator will be notified and Print Console will not allow the operator to submit new jobs.

Service Usage Licenses

The service dongle or a service license is required to run Service Shell. **Service Shell will not function without a valid service license!**

Licensed Options

- Portrait plate loading
- Imaging speed (S, F, V, X)
- Plate size
- Plate rotator
- Resolution
- Premium or Performance imaging
- Processor interface

4.1.2 Print Console 4.5

Note: If you have used a previous version of Print Console (1.x, 2.x, or 3.x), you will notice some significant differences in Print Console functionality and appearance. It is suggested that you take some time to familiarize yourself with these changes before installation at a customer site.

Reduced Plate Waste

If you cancel a job after its plate has already been loaded, Print Console now uses that plate for the next job (if the next job uses the same media size). This feature saves plates and processor chemicals when you need to cancel a job.

Reduced Job Cancellation

When a picking or loading error occurs and the plate assigned to an image must be discarded, Print Console now reassigns the image to the next plate rather than cancel the job. This feature saves you the effort of having to resubmit the job from the workflow software.

Changes in Appearance

The Print Console user interface has been redesigned to simplify operations for operators. Tool tips and online help are available to provide more information about the different parts of the user interface. In addition, the user interface, error messages, and online help are available in English, French, Italian, German, Spanish, Russian, Japanese, Traditional Chinese, and Simplified Chinese.

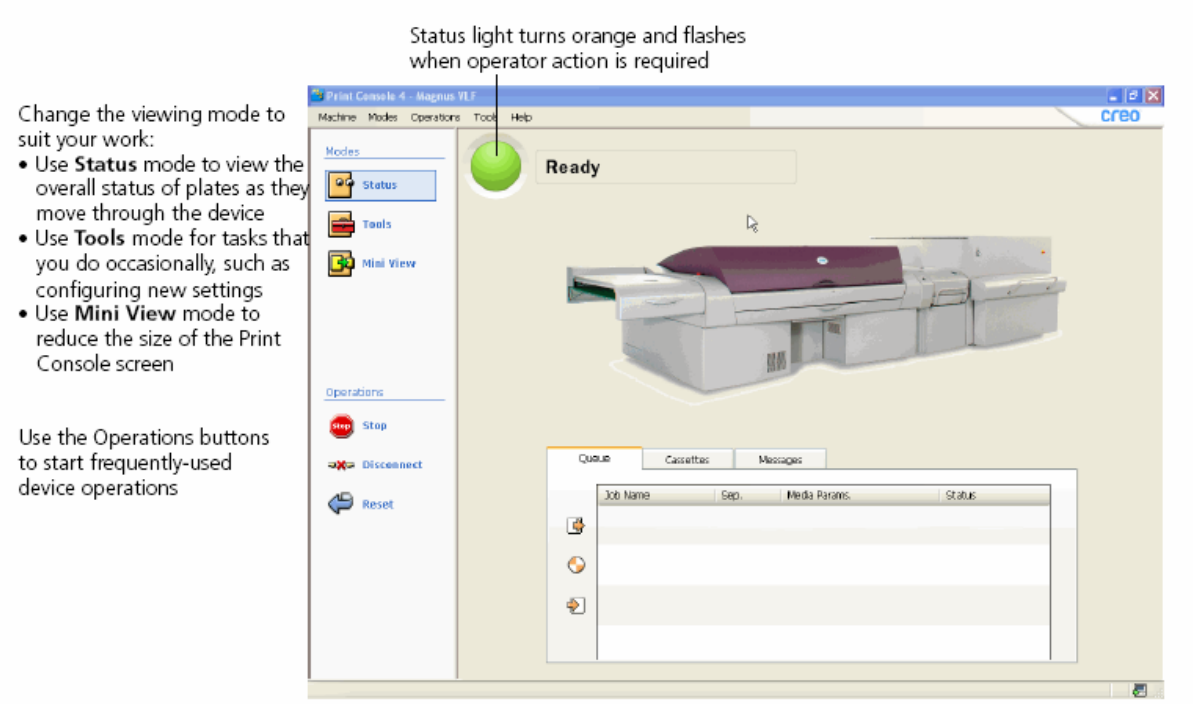


Figure 1: New user interface in Print Console 4

4.1.3 Feedback on what the device is doing during startup

Print Console 4 has an area in the top right of the screen when you receive information about processes that are occurring in the device. At startup, you will receive confirmation that the device is initializing.

4.1.4 Aids for dealing with errors

Operator prompts are now linked to help topics, for detailed information about how to recover from an error. Some of the help topics include Flash animations of the recovery procedure.

4.1.5 Internationalized user interface

The Print Console 4 user interface is being translated into several languages. Early versions will offer translated help messages and online help topics. Eventually all GUI elements will be available in multiple languages.

4.1.6 Print Console functionality moved to workflow software

Some of the functions previously handled by Print Console have moved to the workflow software.

Job Submission, Cancelling and Status

The workflow shows the status of each image sent to the output device. You will configure job options, set job priority, submit jobs, and cancel jobs in the workflow software.

Print Console shows the status of plates as they move through each stage of an output device.

Queues

Queue management of jobs has moved to the workflow software. See Prinergy Evo 3.1 for details of queue management functionality.

TIFF Management

All TIFF features have moved to Prinergy Evo. This included the queues, hot folders, and print setups.

Print Console 2.x and 3.x Settings Migration to Print Console 4.x and Prinergy Evo

There are two migration tools that need to be run when upgrading from Print Console 3.x (or in rare cases, Print Console 2.x).

Print Console 4 migrates settings from Print Console 2.x or Print Console 3.x to Print Console 4.x and the workflow, depending on where the various types of functionality now reside.

4.1.7 Prinergy Evo 3.1

Prinergy Evo 3.1 provides support for full queue management functionality.

Listed below are the highlights for queue management improvements:

For following output cases:

1. Output a 1-Bit tiff to separated output (e.g. OutputTIFF-Device)
2. Output an imposition to separated output (e.g. OutputImpo-VPS)
3. Output an imposition to composite output (e.g. OutputImpo-JPEG)
4. Output a pdf to separated output (e.g. OutputPDF-VPS)
5. Output a pdf to composite output (e.g. OutputPDF-JPEG)
6. Output a PS file to separated output (e.g. OutputPS-VPS)

A user may:

1. View list of output queues.
2. Pause and Resume individual queues. A paused queue is one which does not de-queue any elements. Elements can be added to the queue regardless of the pause state of the queue.
3. Pause and Resume all queues.
4. View elements contained in each queue. The elements are arranged in sequence of output order. Elements that are actively processed also should be visible above the queued tasks.
5. Reorder queued elements in an output queue so that queued elements can be staged in an arbitrary output order.
6. Cancel a queued or active task, without canceling the parent process

See Prinergy Evo 3.1 release notes for details.

4.2 CTP Site Installer CD

Note: The Site Installer CD must be run when installing a new device shipped from production. It is not run as part of a typical CR upgrade. In fact, it is only available as a separate device-specific CD shipped with the device. The Site Installer is not on the controlled release CD itself.

With the GMCE architecture, NVS parameters are not permanently stored on the GMCE. When a GMCE device ships from production, the GMCE NVS parameters are shipped on a separate device-specific Site Installer CD. The CD contains a simple installer that will copy the NVS parameters to the device workstation and will also set up a secondary backup location for the NVS parameters.

To run the Site Installer for a new device installation, perform the following steps:

1. Ensure that CR 3.1 is installed on the device workstation.
2. Ensure that the serial number (marked on the CD) matches the device serial number.
3. Insert the Site Installer CD into the computer. The site installer CD should run automatically (if it does not, simply run Setup.exe from the CD root drive).



4. Follow the prompts to complete the installation. You will be prompted to enter a secondary backup location—it is recommended to configure an accessible network location. The system will automatically backup the GMCE NVS parameters to this location to guard against accidental loss of the NVS parameters.

4.3 Firmware Functionality

Listed below are highlights of the new functionalities and bug fixes:

- Debris removal air curtain.
- The air curtain option has been added to the debris removal system
- Plate spacing for processor
- Two NVS parameters were added to address the issue with different spacing for different plate sizes when ejecting the plates.
- Fixed a problem when the Z-stage does not go to 0.00 position when the safety loop is opened.
- Fixed a problem with loading 15.5x19 in. plates on a Magnus VLF Semi-Automatic.
- Fixed a problem when unloading and ejecting plates with a mainscan of 57 to 63 in. on Series 2 configurations.
- Fixed a problem with clearing the mediaonunloadtable flag on Magnus VLF CL devices.
- Fixed a problem with the TE Push registration recovery sequence.

See the firmware release notes for detailed information about changes in firmware functionality and bug fixes.

4.4 Service Tools Functionality

Listed below are highlights of the new features of Service Shell 3.0:

- Service licensing (via dongle or license) replaces the password mechanism.
- Backup and Restore tool allows you to backup all system settings (including NVS, Print Console and Service Shell settings), and restore previous settings.
- Test Plot Applet has a simplified user interface and significantly improved functionality, including the ability to add labels to the plot (e.g. each test strip on the plate can be labeled with the settings for that strip).
- Supports GMCE and TH3.
- Host configuration wizard for both TMCE and GMCE.

Note that Service Shell 3.0 should not be installed on customer workstations with older controlled releases. In particular, Service Shell 3.0 is not compatible with Print Console 2.x or 3.x running on the same computer. Service Shell 3.0 can be used to connect remotely (e.g. from laptop or response center) to a Print Console 2.x or 3.x system.

See the Service Shell release notes for detailed information on the changes in Service Shell functionality and bug fixes.

4.5 Minor Features and Fixes

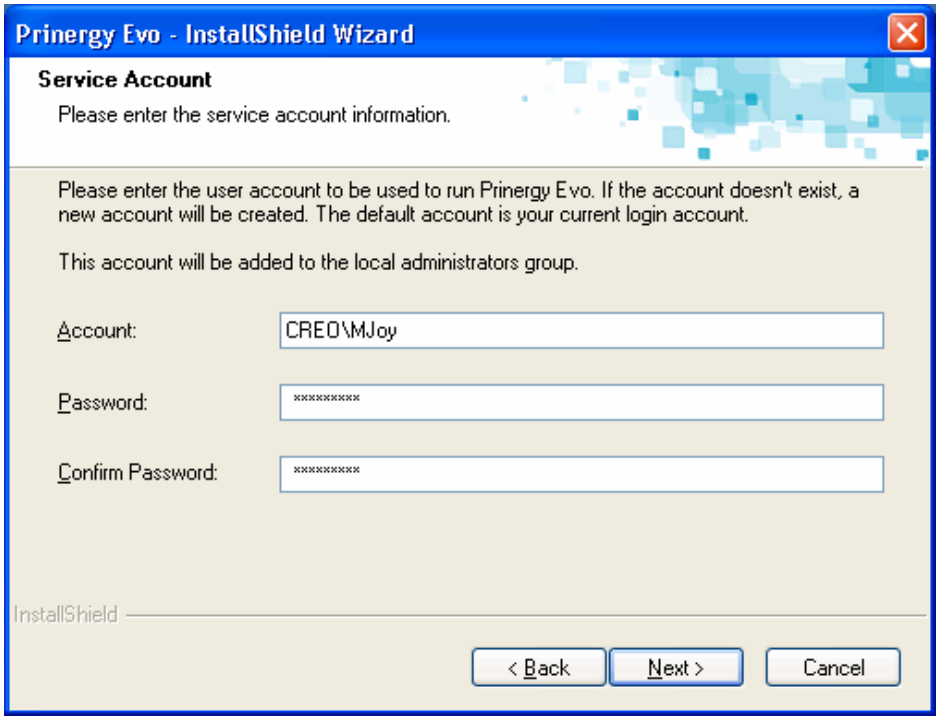
Fixes and smaller features are documented in component release notes, both available in the **Release Notes** folder and on the component install folder on the Controlled Release CD.

5. APPENDIX A: INSTALLING PRINERGY EVO TIFF DOWNLOADER

This appendix gives a brief overview of the installation of Prinergy Evo TIFF Downloader. For more information, see the Prinergy Evo Installation Guide on TechPlanet.

Installation of Prinergy Evo is straightforward. Follow the prompts during the installation with the following recommended responses:

- Destination Install location: usually it is OK to accept the default location.
- Service account: typically you can use the default administrator account.



- Data Migration: if a previous version of Evo was installed, you will be prompted to migrate previous data. Usually the default setting (migrate data from previous version) is the best option (unless you wish to start a “clean” installation).
- Once the main Evo installation starts, it will take approximately 30 minutes to complete.
- You will be prompted to enter an Evo license at the end of the installation—enter the license in the dialog box. If you do not have the license or dongle handy, you can complete the installation and enter the license at a later date from the Prinergy Evo Administrator, accessible from the system tray.

- When the installation process is complete, you may wish to import the migrated Print Console 3.x settings, using the import utility described in the *Print Console 4.5 Installation Guide*.

See the Evo online documentation for information on running Prinergy Evo.

6. PROVIDING FEEDBACK TO PRODUCT DEVELOPMENT

Contact Micle Zisman with suggestions or changes to the format, quantity, or quality of material contained in this document.