



PRODUCTIONSERVER⁵

Version 5.10 Build 2238

Update

3/3/2008

1 Introduction.....	2
2 Installation	3
3 New Printer Drivers	4
3.1 Category I.....	4
3.2 Category II	4
4 New Functions.....	5
4.1 Display of Color Difference for Lab Color Replacement.....	5
4.2 Special Colors for White and Varnish.....	6
4.3 Enhanced Control Wedge Evaluation Report Function.....	8
4.4 New Barbieri Measuring Device Support	8
5 Improvements	9
5.1 General.....	9
5.2 File Processing	10
5.3 Spot Color Replacement.....	10
5.4 Printer Related.....	10
5.5 Linearization and Profiling Assistant	15
5.6 Filmgate Module (FGM)	15
5.7 Print&Cut Module (PCM).....	15
5.8 Proof Module (PGM)	15





1 Introduction

This document describes changes in **PRODUCTIONSERVER⁵** since Version 5.02 Build 2158.

This update 5.10 Build 2238 includes an improved white support.

Additionally the control wedge evaluation has been optimized especially for the DYMO LabelWriter. An option for the Barbieri Spectro LFP measuring support is now available.

Furthermore, some corrections in using the "Enhanced Quality (16bit)" were made as well as further optimizing the user interface.

In addition, drivers for the new printers such as Acuity HD 2504 or Mutoh DrafStation Pro have been developed. These and more new drivers you can find in the [drivers section](#) in this document.

Additionally, the online help has been further revised and completed.

Please note: When using Windows Vista 64-bit, the Virtual Printer cannot be applied in former and current versions.

More information about **PRODUCTIONSERVER⁵** is available on our [homepage](#) as well as on the [function overview](#) there.



2 Installation

After downloading the installation file from our [homepage](#), you can start the update process with a double click on the setup file.

Furthermore, users of the new Canon printers need to install the Canon PB module 2.1. After your login the Canon PB module is available as download at our [homepage](#) under Printer-Related.



3 New Printer Drivers

3.1 Category I

- Mutoh DrafStation Pro
- HP-DesignJet-T610
- HP-DesignJet-H35x00
- HP-DesignJet-H45x00

3.2 Category II

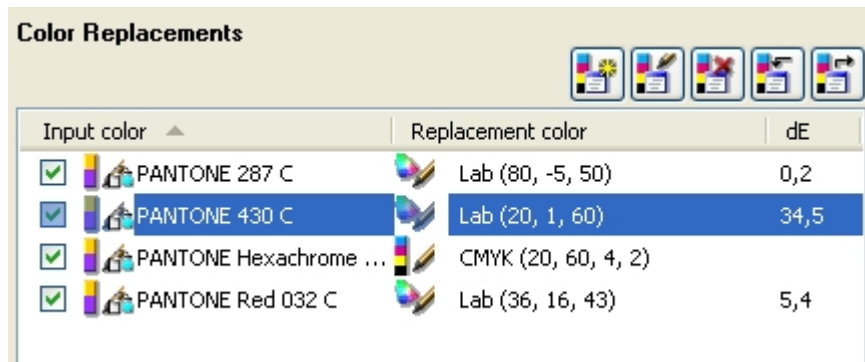
- Mutoh Viper TX
- Acuity HD 2504
- Infiniti YF-160UV
- HP Scitex FB910

4 New Functions

4.1 Display of Color Difference for Lab Color Replacement

New column "dE":

A column "dE" was added to the color table that shows the color difference for Lab values to the selected output profile in DeltaE.

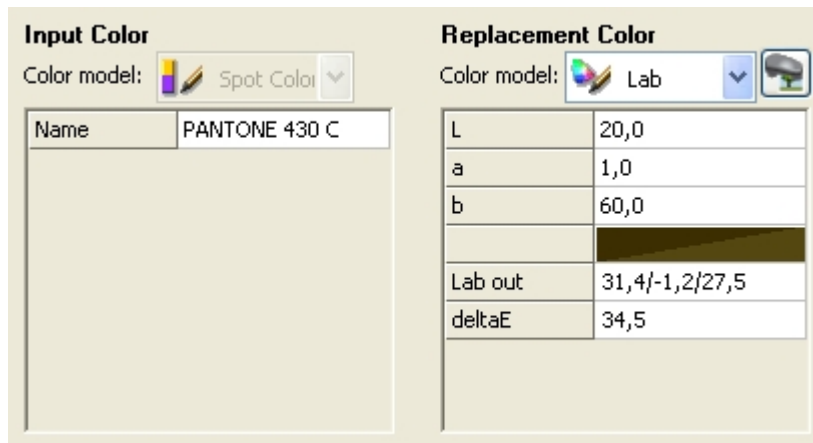


Color Replacements

Input color	Replacement color	dE
<input checked="" type="checkbox"/> PANTONE 287 C	Lab (80, -5, 50)	0,2
<input checked="" type="checkbox"/> PANTONE 430 C	Lab (20, 1, 60)	34,5
<input checked="" type="checkbox"/> PANTONE Hexachrome ...	CMYK (20, 60, 4, 2)	
<input checked="" type="checkbox"/> PANTONE Red 032 C	Lab (36, 16, 43)	5,4

Closest value in color model:

In the dialog for the color replacement, in "Lab out" the closest printable value is shown as well as the DeltaE deviation in field "deltaE".



Input Color

Color model: Spot Color

Name	PANTONE 430 C

Replacement Color

Color model: Lab

L	20,0
a	1,0
b	60,0
Lab out	31,4/-1,2/27,5
deltaE	34,5



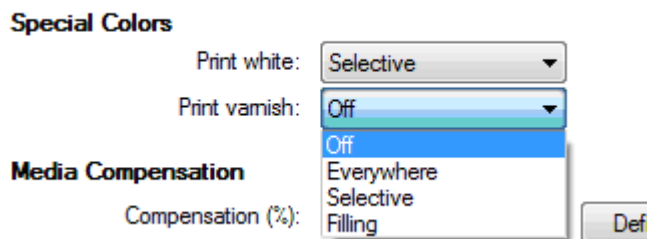
4.2 Special Colors for White and Varnish

Some printers support special colors such as white or varnish. They are used for special applications for example for underprint of white, a varnish application or spot color replacements. This function is currently available for the following printers:

- IP&I CUBE
- Keundo SupraQ UV
- NEO UV LED
- Mimaki JF Series
- Mimaki JV3-160 SP
- Mimaki JV3-250 SP
- Mimaki JV22-130/160
- Mimaki JV22-250
- Mimaki JV5-S
- Mimaki JV5-320s
- Mimaki JV33
- Roland XC-540
- Zuend UVjet 250

Settings in tab "Printmode":

There is a selection of different white or varnish printing methods depending on the printer.





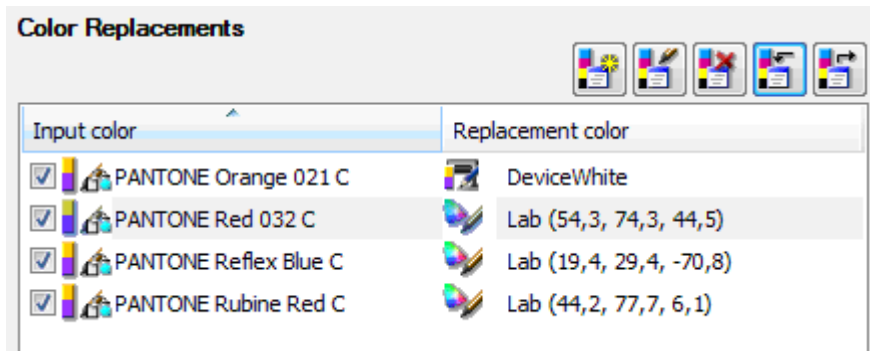
An overlapping or padding for the special colors area is adjustable as well.

Spread(+)/Choke(-):

Spread(+)/Choke(-):

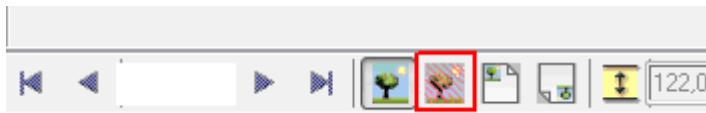
Settings for spot color replacement:

The spot color contained in a job can be replaced by white or varnish depending on the printer.



Display in the preview:

In the preview toolbar there is a new symbol to switch on a display of applied special colors by showing a hatch.





4.3 Enhanced Control Wedge Evaluation Report Function

Primaries (dH):<100	0,50	2,50	0,00
Gray Average (dH):	0,55	1,50	0,00

Reporting

PROOFGATE FOGRA Report (LabelWriter) ▼

Use logo

A simplified evaluation report on DYMO LabelWriter offers the following changes:

- The reports for the LabelWriter are now printed with "Print" without adjusting the paper layout for each printout.
- The other reports are now also shown with an internal viewer that is based on the Internet Explorer using "View". It allows to set the page margins and header/footer text for the printout.
- The control wedge dialog now stores the recently used report template to select it by default.

4.4 New Barbieri Measuring Device Support

The Barbieri Spectro LFP RT measuring device is available as an option. This device offers automatic measuring of targets for paper media as well as transparent media.

If the measuring device is purchased at ColorGATE, that option will be usable without any costs in the software.



5 Improvements

5.1 General

- The compatibility of the dongle detection when working on a "Remote Desktop" is improved.
- The function "Rip while Print" in the "Workflow" tab is now grayed out when a hot container is used.
- Loading of saved settings from *.cse / *.csex / *.cjox files no longer renames the current file name and overwrites the 1:1 size.
- Folders in the file system are no longer locked when a file (such as an exported MIM package) is saved from the application.
- The compatibility with jobs having long file names is enhanced.
- The option printer "Paper Size" of the dynamic PPD is now correctly applied to the job.
- The online help has been revised and further completed.
- The "Control Wedge Evaluation" and the "Media Wedge" are no longer available in the Production Workflow.
- The length of a path to the job archive and names for job folders are now checked to prevent problems with files containing many characters.
- In former versions changing the container printmode did not change all settings of all jobs in the container. This is now improved.
- The setting "Multipage Container" only works for hot containers:
In the hotfolder settings the button "Container" > "Settings" is only relevant for hot containers. The user interface has changed accordingly. Furthermore, the dialog "Container Settings" displays only relevant information according to the type of container.

Tiling:

- The function "Activate Tiling" is now enabled automatically when a manual tiling has started.
- The overlap marks are now also printed after using the function "Split tiles into single jobs".
- Manual tiling is no longer available in the hotfolder settings.
- The "Selection..." preview for tiles was corrupted in former versions when first a vertical and then a horizontal tiling was done in the manual tiling window. This is now corrected.



- Manual tiling is no longer possible for turned jobs.

5.2 File Processing

- The function "Enhanced Quality (16bit)" in the "Rip" tab has corrupted the output of certain PDF files in former versions. Furthermore, corruptions also occurred with this function when a cropping was done in combination with an asymmetric printing resolution (for example: 1440x720) with certain files. These issues are now solved.
- The function "Apply Pixel Color Management" can now also be disabled completely in the "Rip" tab by setting "Off".
- The compatibility with RGB TIFF files with JPEG compression has been improved.
- Embedded ICC profiles in PSD files are now correctly detected.
- The compatibility with PostScript files that were created with HP PPDs has been enhanced.
- When color management is off, Lab colors are internally converted to RGB.
- Pixel color management was unnecessarily turned on when the function "preserve pure colors" was used. This is now fixed.
- The color management of Lab images is now improved.
- The compatibility with certain EPS files has been improved.
- When using an RGB print mode and disabling "Softproof" in the "Workflow" tab, the output is no longer inverted which occurred for some files.

5.3 Spot Color Replacement


- Spot colors were output incorrectly when a RGB output profile was used without applied "Pixel Color Management" set in the "Rip" tab. Now this works correctly.
- Spot colors could not be replaced in certain composite QuarkXPress PostScript files. This is corrected now.

5.4 Printer Related

Colorspan Printers

- In Version 5.02 Build 2158 the setting of the printer port was not saved correctly to the printer definition so that jobs were not printed. This is now corrected.





Roland Printers

- The function "Cutter" is no longer activated by default.
- A printer status monitor is now implemented for the following printers:
 - Roland AJ-1000
 - Roland AJ-740
 - Roland FP-740
 - Roland XJ-540
 - Roland XJ-640
 - Roland XJ-740
 - Roland VP-300
 - Roland VP-540
 - Roland XC-540

Roland XJ-540, XJ-640, XJ-740, XC-540

- "Overlap modes" (weaving) are now available (tab "Printmode").
- New combinations of print modes with presettings recommended by Roland are now available.

NUR Revolution

- The "HiPress" print mode was added to the driver.

Mimaki JV33

- Wave modes were added to the driver.
- The heaters' maximum temperature has changed.

Epson-Stylus-Pro 11880 HTM

- Further optimizations were done to prevent head pausings.

Mutoh DrafStation

- A 2880x1440 DPI 2-Pass print mode is now available.



HP-DesignJet-Z6100

- When using user defined media, the value “custom” is now shown in the printer status monitor. Furthermore, the warning message about wrong media selected is no longer shown. The width of the roll can now be read from the printer as well.

HP-DesignJet-Z series

- To the printers above a function "Update Size" was added to the "printer" tab to read the width of the installed media. This affects the current and the hotfolder media for newly created jobs ("Use size of installed media for installed jobs").

HP-DesignJet-4500

- File names with certain characters could not be output in former versions. This is now corrected.

Canon iPF8000S PB / iPF9000S PB

- New "Economy" print modes have been added.
- Jobs can now be saved on the internal hard disk of the printer.
- The following RGB and CMYK print modes have changed:
 - Fabric Banner - all print modes
 - Thin Fabric Banner - all print modes
 - Satin Photographic Paper 190gsm - Fast
 - Glossy Photographic Paper 190gsm – Fast
 - Commercial Proofing Paper – Fast
 - Photo paper Satin 240g - Fast


Canon iPF8000S Screen / iPF9000S Screen / iPF8100 Screen / iPF9100 Screen

- Jobs can now be saved on the internal hard disk of the printer.

Canon iPF8100 PB / Canon iPF9100 PB

- Jobs can now be saved on the internal hard disk of the printer.
- The following CMYK and RGB print modes have changed:
 - Fabric Banner - all print modes
 - Thin Fabric Banner - all print modes

For working with these printers the newest Canon PB Module 2.1 is required (available on the ColorGATE [website](#)).



Canon iPF5100 PB / Canon iPF6100 PB

- The following CMYK and RGB print modes have changed:
 - Thin Fabric Banner 2 - all print modes (only CMYK)
 - Thin Fabric Banner 2 - all print modes
 - HW Glossy Photo Paper
 - High HW Satin Photo Paper
 - High Commercial RC Proofing 210gsm
 - High (only RGB and only on the iPF6100) Commercial RC Proofing 270gsm
 - High (only RGB and only on the iPF6100)

For working with these printers the newest Canon PB Module 2.1 is required (available on the ColorGATE [website](#))

- On the iPF5100 the print options are no longer grayed out when the hotfolder settings are opened for the first time.

Bedigital Domino

- The driver now works correctly.

Grapo Octopus I+II, Manta

- The drivers now work correctly.

Windows Printer / Windows Printer-PS

- The name of the Windows printer driver is now shown in the "print mode" tab.


Durst Lambda

- "Anti Aliasing" was added to this driver in the "Rip" tab to enhance the output quality.

Various printer drivers

Some connection problems were solved for the following drivers:

- HP-DesignJet-8000s
- HP-DesignJet-9000s
- HP-DesignJet-10000s
- Mimaki JV5-S
- Mimaki JV5-320s

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- Mimaki JV33
 - Xerox X2

Various Epson Drivers

The Drying time can now be set in the following drivers:

- Epson-Stylus-Pro 11880 Non-HTM
- Epson-Stylus-Pro 4400 Non-HTM
- Epson-Stylus-Pro 4450 Non-HTM
- Epson-Stylus-Pro 4800 Non-HTM
- Epson-Stylus-Pro 4880 Non-HTM
- Epson-Stylus-Pro 7400 Non-HTM
- Epson-Stylus-Pro 7450 Non-HTM
- Epson-Stylus-Pro 7800 Non-HTM
- Epson-Stylus-Pro 7880 Non-HTM
- Epson-Stylus-Pro 9400 Non-HTM
- Epson-Stylus-Pro 9450 Non-HTM
- Epson-Stylus-Pro 9800 Non-HTM
- Epson-Stylus-Pro 9880 Non-HTM
- Epson-Stylus-Pro 11880 Screen
- Epson-Stylus-Pro 4400 Screen
- Epson-Stylus-Pro 4450 Screen
- Epson-Stylus-Pro 4800 Screen
- Epson-Stylus-Pro 4880 Screen
- Epson-Stylus-Pro 7400 Screen
- Epson-Stylus-Pro 7450 Screen
- Epson-Stylus-Pro 7800 Screen
- Epson-Stylus-Pro 7880 Screen
- Epson-Stylus-Pro 9400 Screen
- Epson-Stylus-Pro 9450 Screen
- Epson-Stylus-Pro 9800 Screen
- Epson-Stylus-Pro 9880 Screen



5.5 Linearization and Profiling Assistant

- The current measured row of the target is now shown and indicated correctly when measuring with the EyeOne manually.
- When exporting target measurements, a name for the exported file is now suggested that is built from the CCX file and the target name.
- In some cases the calculations of Lab from spectral values determined values that prevented the profile generation. This is now corrected.

5.6 FILMGATE Module (FGM)

- If the function "Screensettings from original file" for the "PostScript" screen was used, the linearization and tonal value correction (dot gain) were both ignored. This is now corrected.
- In certain cases when applying a MIM to a job in Version 5.02 Build 2158 the preview got corrupted. This is now corrected.

5.7 PRINT&CUT Module (PCM)

- An "After Cutting" option was added in the "Cut" tab, that allows to choose from "Return to origin" or "Move to end of job".

5.8 PROOF Module (PGM)

- The detection of embedded profiles for the Output Intent in PDF has been improved so that the correct DeviceLink can be used.
- The white point adjustment in tab "Color Correction" now also accepts negative values if option "Use embedded profiles (Output Intent...)" is activated in the hotfolder advanced settings' tab "Profiles".
- The function "Apply Pixel Color Management" in the "Rip" tab is now always activated to ensure a correct output.
- The print data is now regenerated automatically if a different media wedge is chosen.
- The effects of the function "Print spot color in maximum printer gamut" will now also be displayed correctly in the preview. It now works for RGB output profiles as well.