

Contents

- **Prinect**
- **Adobe Interpreter 3016.102**
- **Suprasetter Support**
- **CalibrationManager**
- **Banding with IS Classic, Round-Square / Topsetter 102 PF**
- **Operating Systems**
- **Delta Tower**
- **Supported Output Devices**

Prinect

Delta 8.0 already provides PPF-Data for the color zone presetting and is consequently "Prinect connectable".

Delta 8.1 is unable to process JDF-files.

The reduced Prinect functionality of Delta 8.0 is integrated without further modifications in Delta 8.1. There are no new Prinect Features in Delta 8.1 available.

Adobe Interpreter 3016.102

DeltaTech 8.1 contains the last version of the Postscript 3 Interpreter Version 3016.102. The Interpreter 3016.102 is primary a version with Bugfixes than a version with new functionalities. The version includes 8 Bugfixes for the PDF to PS conversion and 28 Bugfixes for the core PS Interpreter. Relevant for DeltaTech are the Bugfixes in the Graphics engine components with complex pathes in connection with high resolution. Several Fontproblems are solved.

DeltaTech 8.1 does not support PFD 1.5 completely and aborts jobs with the following features.

- JPX images, JPX is a special format defined by JPEG 2000.
- 16 bit images
- DeviceN color with more than 8 components
- Optional contents, PDF1.5 can have different views in one document.

Several modifications of the PDF1.5 features are supported:

- Object streams
- Encryption enhancements
- Crypt filters
- Enhanced Font support for KANJI

Jobs can be processed in Delta 8.1, if they are converted from PDF 1.4 with a Distiller/Normalizer into a PDF 1.5 Job without further changes.

DeltaTech 8.0 (3016.101) had a few problems with PDF files and certain imposition schemes. In these cases the fontsubsets in single pages of the scheme could not been differentiated. 3016.102 faces the problem by using the Acrobat font-rendering engine. This engine is more robust in case of Fontproblems caused by faulty PDF applications.

Suprasetter Support via the Meta Family

The Suprasetter is only supported indirectly from Delta via a Metaproduct.

Calibration Manager

Integration of the Calibration Manager 2.2

The Calibration Manager 2.2 is integrated in the Delta Technology System 8.1. The Calibration Manager is functional identical to the Calibration Manager 2.2 of the Prinect MetaDimension Systems 5.0. Innovations of the Calibration Manager in MetaDimension are thus available for Delta Technology.

Innovations of the Calibration Manager 2.2:

- The Calibration Manager now follows the GUIDE Look&Feel Design
- Support of plate measuring devices for the linearization.

Automatic measurement of plates with plate measuring devices for the linearization. Supported devices: CC-Dot, ICPlate I, ICPlate II

- Adaptive access algorithm for the linearization.

The adaptive access algorithm enables the calculation of linearization curves for screen frequencies on basis of two already existing linearization curves, whose screen frequencies contain the "new" screen frequency (e.g. 60l/cm and 80l/cm contain 70l/cm). The calculation can be carried out automatically during screening or alternatively when creating a new data set for the linearization.

- Minispot Import

The function for the correction of a process deviation now allows to import measured values, so called Minispots from IT8-files. The measured values of the Minispots are automatically converted into correction values.

- Modification of the calibration curves

Calibration curves can be changed with help of a new modification curve.

- Scaling of the y-axis in the graphic Editor.

The dynamic area of a y-axis scaling in the graphic Editor can be restricted to enable a better comparison between different curves.

- IT8 Import and Export

Measured values can be imported out of IT8-files and exported as IT8-files. Furthermore it is possible to export the collective curve data of a process calibration incl. calibration curve as IT8-file. These files can be read by PrintOpen of Profile Toolbox 1.1 and is used there for the calculation of the ICC-Profiles on basis of uncalibrated contact printed testforms.

- Master Data Server Access (PIL)

The Calibration Manager 2.2 can access to a Master Data Server (PIL) and store the print parameters (kind of print substrate, printing unit, color series) for the centralized administration as master data.

- Central calibration database Server access

The Calibration Manager 2.2 can access to a central calibration database of the Prinect Calibration Toolbox 1.1.

Central calibration database for the Calibration Manager

The Calibration Manager 2.2 of Delta Technology Systems allows the access to a central calibration database of the Prinect Calibration Toolbox 1.1.

The access can be configured by the user. There are 3 modes:

- All calibration data are read out of the local calibration database, that means that no access to a central calibration database occurs.
- All calibration data are read out of a central calibration database. The access will be carried out in the read mode.
- The linearization data are administered in the local calibration database, the calibration data of the process calibration are read out of the central calibration database.

In both last cases the Workstation of the Prinect Calibration Toolbox is chosen by its Windows-Networkname.

If calibration data are read out of a central calibration database, the data are copied into the local file system of the DeltaTechnology Workstation.

Two modes are supported to transpose the synchronization of the local copy and the central calibration database:

1. Automatically
2. Manually

In the automatic mode the changes of the central calibration database are checked periodically. If a modification is detected, the local copy will be updated.

In the manual mode the user has to start the update manually.

The synchronisation status and the "time stamp" of the central calibration database is displayed for the user.

- Trivial licensing mechanism for the access to a central calibration database

The access to a central calibration database is only verfügbar if a license file is installed on the DeltaTechnology System.

This license file can be generated with the Setup Program of the Prinect Calibration Toolbox 1.1.

Banding with IS Classic, Round-Square / Topsetter 102 PF

To avoid a possible Banding (striation), there is a resolution of 72 lines for all IS screening systems with 45° for Topsetter implemented. This modification is already part of MetaDimension 4.1 (Service Release1).

Operating Systems

Delta 8.1 is released for Windows 2000 Server and Windows 2003 Server.
For the support of the Trendsetter Tower there is a release under Windows NT/4 necessary. The only way for the Trendsetter to operate under Windows 2000 is the bargain of a RasterBlaster or a Creo PrintConsole 2.1.
These three operating systems are supported to assure the investment of our existing customers.

Delta Tower

The (H.Q.S and I.S.)Tower is compatible with Delta under Win2003 Server.
Satin Screening is only available for software screening.

Delta Tower will be released for Windows NT 4.0, Windows 2000 Server and Windows 2003 Server.

Supported Output Devices

All output devices which are supported Delta 8.0, will be supported as well with Delta 8.1, with the following exceptions:

No modifications:

- Trendsetter support only with NT/4,
Support of Win2000 or following operating systems is only technically possible with CREO PrintConsole 2.1 or Xitron RasterBlaster.
- CREO PrintConsole 2.1 is not released for Delta 8.1 by Heidelberg.

New output devices:

- Suprasetter oblique/inirect via Meta