

Heidelberg CTP-Tools Quasar



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This disk is part of the package "quasar option polyester printing plates" and includes tools for setting imagesetter and RIP for the exposure of polyester printing plates, the manufacturer 3M and Mitsubishi. It contains a four-color calibration job that is used to create the printing press-specific settings, as well as digital test strips for control of the plate exposure.

The Kalibrierjob is located in the "Calibration" and is called "GTO / SM 52cmk.sea". It is a compressed downloadable PostScript file. To decompress the file must be opened with a double and stored on the hard disk of the computer.

The file consists of a four-color digital print control strip of the Heidelberg CPC2 Specification, color fields to create the parameters for the program open print, test fields to create the calibration curves, register marks and test strips to check the plate exposure.

After the pressure of the plates exposed with this file, all relevant exposure data calculated or controlled.

The test fields to create the calibration curves are measured by densitometry. There are the linear nominal values ??and the values ??for the typical dot gains conventional metal plates indicated. The measured values ??and the nominal values ??are used as inputs for the process calibration of the utility program in the "Output Manager".

Note: In order for the process calibration for negative exposures must work properly, both in the application, the utility and VAPP in the exposure mode can be selected "negative".

The digital test strips to check the exposure plate are located in the "dens check" and then in the appropriate folder with the name of the manufacturer of printing plates. The name of each file are specific to the material and indicate whether it is a file for a single color or a four-color printing.

It is EPS files that can be integrated into the standard page layout programs.

The test strips are used only for evaluation of printing plates, it is not necessary, they mitzudrucken. It is therefore advisable to place them outside the pressure range of angles to the direction of pressure.

The evaluation of the test strip is carried out as described below:

It is not the pressure plate and examined the pressure.

In the left pane, two fields are elongated with a grid pattern, or a gray value. Below this field there are three areas that are marked with a filled rectangle, a half-filled square and an empty rectangle. The light energy is set correctly when the brightness impression matches the two grids in the area that is marked with the half-filled rectangle.

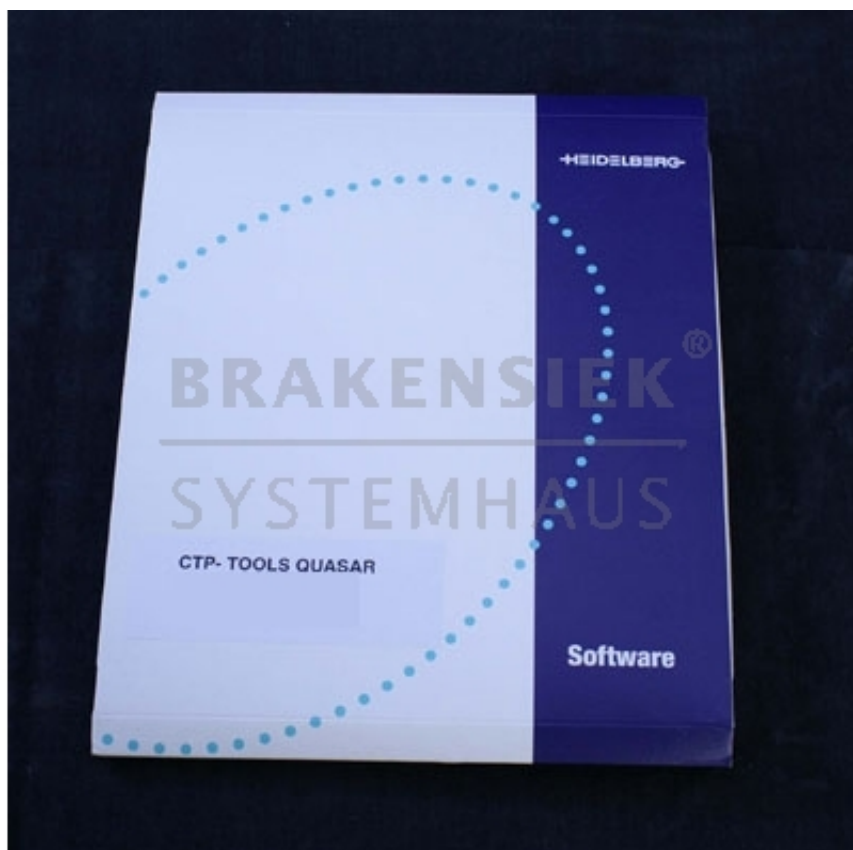
To the right of these fields are areas with coverage combinations of 1% / 99% to 5% / 95%. These fields can be checked whether the specified percentage of the material manufacturers have been properly exposed.

It should be noted that in this case was chosen independently from the predetermined screen ruling a screen ruling that allows at the set imagesetter a maximum number of gray values. The grid size is shown in the right of it befindlichenFeld.

Under the field "Linotype-Hell," the specified screen ruling, screen angle and are given.

In addition to the fields with the "Linotype-Hell" logo is on the right is a graphical representation of the selected calibration values, and the name of Prozeßkalibrationstabelle.

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