


Software for the TECHKON measurement devices...

TECHKON EXChange - Data transfer of measurement values

TECHKON EXChange allows the measurement values of the TECHKON instruments to be inserted into applications run on a PC or Macintosh. Just by pressing a button on the measuring instrument the values are transferred to the position of the cursor in the active application. Especially useful is the transfer of measurement data into a spreadsheet application, such as MS EXCEL. For each type of instrument EXCEL worksheets and macros can be created for the further evaluation of measurement data. This enables to establish complete statistical records within short time. The linearisation of imagesetters, printers and proofers can be easily carried out by directly transferring values into the RIP-software.

RT 120 PC R 410 R 410e RS 400 SD 620 SP 8x0



TECHKON EXChange 2000
For update information, please visit our webpage at <http://www.techkon.com>
Version: 1.0.1.1

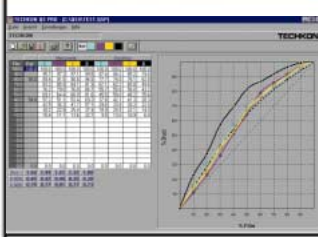
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TECHKON QS Pro - Analyzing Characteristic Printing Curves

The software **TECHKON QS Pro** facilitates the recording and optimizing of characteristic printing curves in multi-color printing. In order to maintain a constant quality of print products the printing curves must be controlled regularly. TECHKON QS Pro allows to record and optimize the transfer curves for film- and plate exposure, proof and print. The measurement is carried out with a densitometer on any given percentage step wedge. The measurement values are transferred to a PC via the serial interface. The display is numerical and graphical. Dissimilar curves can be matched to achieve a neutral gray balance. An additional function is the adaption of different screening technologies such as stochastic screening to conventional amplitude screening.

R 410 R 410e SD 620 SP 830



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TECHKON ExPresso - Quality control of a printing press

The software **TECHKON ExPresso** in combination with the **TECHKON Scan-Densitometer RS 400** is a complete quality control system for controlling printing presses. The software takes the measurement values of the device and displays the ink-zone specific density values at a glance on a computer screen. This permits precise control of printing machines, thus enabling shorter makeready times, less paper waste and higher printing quality. The operation is simple. The scan-densitometer is just slid along the print control strip by hand. Instantly all relevant data as density, dot gain, gray balance and slur/doubling is displayed. A trend function delivers information of an entire press run. The extended version **TECHKON ExPresso Pro** with the **TECHKON Scan-Spectrometer RS 800** is especially designed for spot color printing with up to eight colors.

RS 400 RS 800

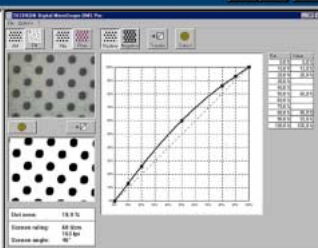


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TECHKON DMS Pro - Measurement on printing plates

In combination with **TECHKON Digital MicroScope DMS 910** the software **TECHKON DMS Pro** is the ideal measurement system for printing plates. Raster dots on a film or printing plate are displayed in large magnification on a computer screen. The software calculates exact values for dot percentage, screen ruling and screen angle using sophisticated image analysis algorithms. With TECHKON DMS Pro comprehensive measurement series of step wedges, which are used for calibrating film- and platesetters, can be recorded. Magnified display on the computer screen enables the visual judgement of a printing plate and discovering any soiling or exposure errors now that the structure of the raster dots is visible. Measurements on film are also easy to obtain. The digital microscope is simply placed on the film, which is backed by a white paper.

DMS 910

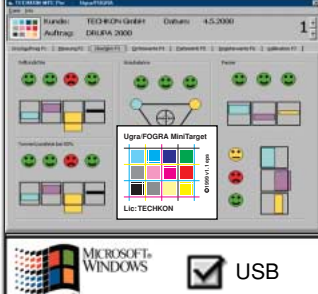


MICROSOFT WINDOWS USB Video




This quality control system for newspaper printing includes the **TECHKON MiniTarget Camera MTC 920**, the Windows-Software **TECHKON MTC Pro** and the **Ugra/FOGRA MiniTarget**. The handheld device MTC 920 is positioned on the compact MiniTarget. The finder on top of the device permits exact targeting. Using state-of-the-art digital camera technology, a special test element called MiniTarget is captured by just one shot. Densitometric, colorimetric and registration data is calculated and displayed by the Windows software TECHKON MTC Pro. Thanks to the compact size of the MiniTarget, which was developed by Ugra/FOGRA (original size only 10 x 7 mm), it can be positioned at various locations within the printing sheet. The fast measurement, easy handling and clear data display make the MTC system a valuable tool for the quality control in newspaper printing.

MTC 920



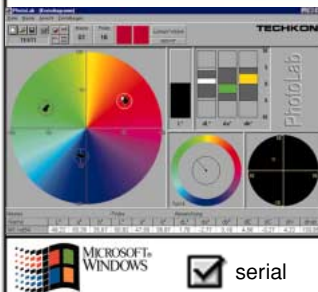
MICROSOFT WINDOWS

☒ USB



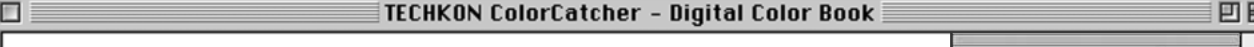
The software **TECHKON PhotoLab** is designed for the colorimetric control while printing spot colors with special inks. Another field of application is the process control in multi-color printing when certain colors have to meet given tolerances. In general colorimetric characteristics as bare figures are confusing. The TECHKON PhotoLab software eliminates difficulties by displaying the measured values in the L*a*b* color space in an understandable way. The values are measured with the TECHKON spectrophotometers and transferred via the serial interface to a Windows-PC. Graphic representations show the color differences between master and sample with regard to size and direction as well as the difference in hue, saturation and lightness. The quality trend of a production can be printed out in accordance with ISO 9000 documentation needs.

SP 820 **SP 830**



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☒ serial





TECHKON ColorCatcher shows you the closest match of a color out of a color library compared with a measured sample. The reference colors in the color library can be read in from a color book. It additionally delivers the referring CMYK-percentage combination for printing a desired spot color out of process colors. By selecting ICC color profiles the individual CMYK combination for specific printing processes will be calculated. Furthermore, the RGB color values for exact monitor display and the device independent L*a*b* values are displayed.

☒ serial

☒ Mac

SP 8x0





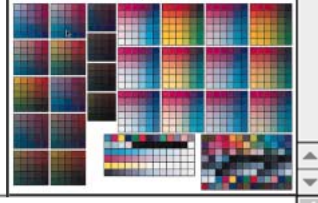
TECHKON TCR Read is the software to automatically measure color data of test charts using the **TECHKON TestChart Reader TCR**. Pre-defined test chart formats can be selected and each measurement patch of the complete test chart is then automatically measured. The result is a text file with colorimetric values. The format of the text file can be defined so it can be imported into various Color Management applications. The software module **TCR Edit** is for editing user-defined test chart formats.

☒ serial

☒ Mac

TCR

SP 810



FAX TO TECHKON: ++49 (0)6174 - 92 44 99

I wish to receive further information on the following products/subjects:

- ☐ Densitometers
- ☐ Spectrophotometers
- ☐ Measurement on printing plates
- ☐ Color Management
- ☐ Other: _____

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