

# All Colors under perfect Control.

## TECHKON®

Densitometers  
Spectrophotometers  
Color Management



# TECHKON Milestones. Always ahead of Time

- 1983** Dr. Harald Krzyminski founds TECHKON GmbH in Königstein/Germany.
- 1984** Successful market presentation of the Reflection Densitometer R 412 featuring automatic color recognition. Thanks to its easy handling, the model develops into a bestseller.
- 1988** The first RT-series film densitometer in pocket-size format is presented.
- 1993** TECHKON presents the Densitometer R 410 featuring a patented measurement head technology, as reflected in the easy positioning and robust design.
- 1995** The SP 820 Spectrophotometer sets new standards in handling, user comfort and measurement accuracy. The device is applied in many areas of color control and color management.
- 1998** With the Scan-Densitometer RS 400, a revolutionary measurement technology enters printing and print workshops.
- 2000** TECHKON takes a big step forward towards digital image analysis. New products such as the Digital MicroScope DMS 910 and the MiniTarget System MTC 920 make way for pioneering measurement processes in quality analysis.

# TECHKON has the Solution

We are a leading manufacturer of densitometers, spectrophotometers and associated software solutions for the graphic industry. Our primary goal is to supply you with reliable products whose easy handling let you securely control the increasingly complex processes in graphic production. Our claims are based not only on exceptional technical solutions and pleasing design, but on a special kind of service. Our committed employees in development, production and distribution earned years of experience in their respective specialties and will gladly defend your concerns.



Managing directors and Shareholders  
Dr.-Ing. Harald Krzyminski  
and Dipl.-Ing. Ulrich Krzyminski



## Measurement technology made in Germany

Thanks to their exceptionally easy handling, high measurement accuracy and reliability, TECHKON measurement devices enjoy great popularity in all sectors of the printing industry. A high share of exports is a sign of our continuous commitment to foreign markets and constructive cooperation with our foreign partners. New products are developed specifically with a view towards clients' practical needs and are based on a large number of client interviews as well as practical tests. We apply computer-aided testing and measurement methods to maintain high quality standards throughout production. The longevity of our products is not least the result of applying modern electronic components and high-precision opto-mechanics.

# The right Tool for each Application

Quality assurance in print is a multiple-step process. Quality assurance starts with the evaluation of proofs and printing copies, continues via pre-print control and ends in standardized print. A controlled print is the final result. We supply the appropriate measurement aids and right software for each step of production.

But we are more than just developers and manufacturers of premium measurement instruments. Our qualified application consultants support you personally in making the right selection and application among our products. We also offer training and seminars on current topics in measurement technology and quality assurance.



## Density, Percentage, Print contrast and more...

Our densitometers are designed so that relevant dimensions such as solid density, dot gain and print contrast are easily readable at the touch of a button. Moreover, our standards-compliant devices feature a range of functions that permit detailed quality analyses.

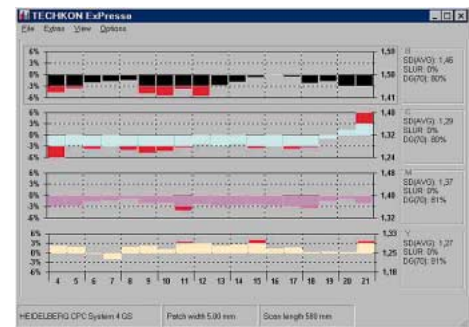
TECHKON TCS Print Control Strips are important aids for multi-color print. They are consistently structured as per ink zones and are supplied in different formats in film as well as digital versions.



# Caution Speed rush !

## A Measurement device on Wheels

Time is at a premium, especially during preparation of a print job. Our scanning densitometers and spectrometers help you reduce that time. Just quickly guide the measurement device by hand over the print control strip. Guide-rollers in the bottom of the device ensure a straight run. This „measurement device on wheels“ automatically calculates the print densities of the individual color patches and simultaneously transfers measurement data into a PC. The Windows-software TECHKON ExPresso shows you exactly just which ink zones need to be fine-tuned on the printing machine to achieve even ink control. Short set-up times, less paper waste and higher print quality are the result.



# Spectral densitometry.

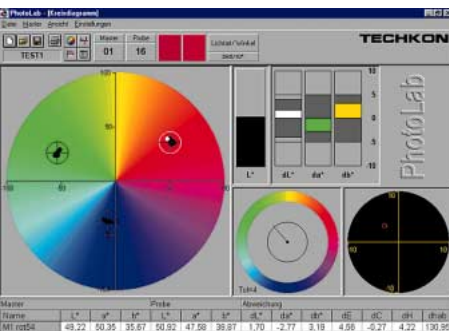
## The new way of Density measurement



Printing increasingly includes more than four-color print. Spot colors, too, need to be controlled. This is the right task for our spectro-densitometers. These devices unify the measurement principle of a premium spectrophotometer with the easy handling of a densitometer. For the first time even solid density, screen values and print contrast can be densitometrically controlled and reproduced without limitations for special colors.

# True Colors ! Spectro- photometry

Our spectrophotometers are the key to professional handling of colors. Compact design, high measurement speed and easy handling are also the trademark of these measurement devices. The high-resolution, permanent-precision spectral element lays the foundation for the versatile measurement functions. The spectrophotometer's performance data ensure universal application wherever colors are critically evaluated.



## Color Management made easy



All TECHKON measurement devices can be connected via the serial port to a computer for transmission of color data. This ensures easy integration into color management programs. A variety of programs are available for color analysis, formulation and elaboration of ICC-profiles. We offer automatic measurement systems for quick readings of complete test forms with a multitude of color patches.

# Digital Image analysis.

Cutting-edge technology

## Pixel for Pixel

The use of innovative technologies such as digital image analysis opens new fields of application in measurement technology. The TECHKON Digital MicroScope was developed as a system to exactly determine exposure quality on printing plates. As such, the Digital MicroScope represents an indispensable aid for use in Computer-to-Plate.

The MiniTarget System is another example for the application of novel measurement technology. Developed by a leading Swiss research institute, the MiniTarget is a measurement element that thanks to its compact dimensions may be positioned directly into the print sheet. The TECHKON MiniTarget Camera measures and supplies density values, colorimetric data and exact measurement information for register control within seconds.



# Our Engineers are waiting for your Call

The variety of measurement tasks requires the elaboration of client-specific solutions. This is where our development engineers with their many years of project experience provide value-added. Our close cooperation with renown research institutes underscores our claim to innovation. We'll be glad to discuss your requirements and to present you with constructive suggestions.

# We will be glad to advise you on Application questions.

## Please Contact us !

Visit us on the internet at [www.techkon.com](http://www.techkon.com).

Our internet pages feature our products from their best side. You will also find interesting news about TECHKON, programs for downloading and technical background information.



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