Technology Coaching BvbA

Your partner to improve and innovate by understanding your:

- *Customers;*
- *Products;*
- *Processes;*
- *Suppliers.*

Products:

- *Press Assess (Equipment productivity evaluation);*
- *Press Manager Foundation (Colour Quality assurance);*
- *ICCSforPMF (Ink formulation and colour database).*

Services:

- *Printing press assessment;*
- *Training/Coaching;*
- *Brand colour consistency;*
- *Supplier evaluation;*
- *Material rationalisation;*
- *Product development and innovation;*
- *Printing including: digital or on-demand printing, flexo, screen printing, gravure and offset;*
- *Ink utilisation evaluation;*
- *Cleaning procedures (screen rolls and printing tools);*
- *Intellectual property.*



Print assessment test form

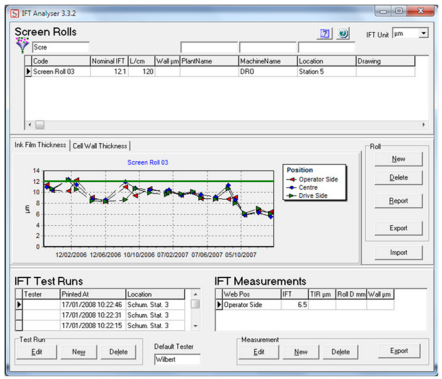
Technology Coaching BvbA

Kerkhofdreef 3, 0202
3001 Heverlee
Belgium

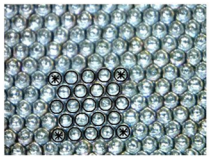
Phone: +32-16 652760
Fax: +32-16 79 52 64
Website: www.tcbvba.be
E-mail: info@tcbvba.be

Technology Coaching

IFT Analyser V3- A better way to monitor the screen roll performance







Technology Coaching BvbA

Phone: +32-16 652760

IFT Analyzer V3

Colour consistency is a key variable by which your print customers will judge the quality of your product.

The ink film thickness (IFT) on the screen roll is a variable effecting colour consistency. It is important to regularly measure the ink film thickness available on a screen roll surface.

IFT Analyzer is a practical tool to take measurements and record the results. It compiles a history of your measurements so that you get a clear view of the performance of a screen roll and can verify that your cleaning procedures are having the desired effect.

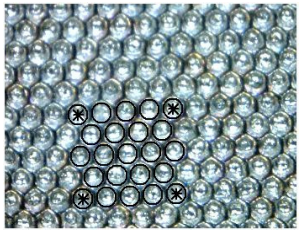


Image of screen roll surface

IFT Analyzer optionally records digital microscope images of the screen roll surface and allows measuring cell wall thickness and screen count. The images and measured data provide a record of roll wear and any clogging of the cells with dried ink.



IFT Equipment case

The data collected can be exchanged via e-mail attachments. It is thus possible to share your data with your customer/supplier and discuss the cleaning, or the general condition of the screen roll.

IFT Analyzer runs under Windows 98, Me, NT4, 2000 , XP, Vista, 7 and 8.

IFT can be installed on hard disk or run from USB stick.

The measuring principle

The well established method for measuring screen roll IFT is to apply a known volume of ink to the surface of the screen roll using a pipette. Doctor the ink over the surface of the screen roll. Blot the ink onto paper. Measure the area of the blot. Divide the volume of ink applied by the area measured. This gives the ink film thickness available on the surface of the screen roll.

Why use IFT Analyser?

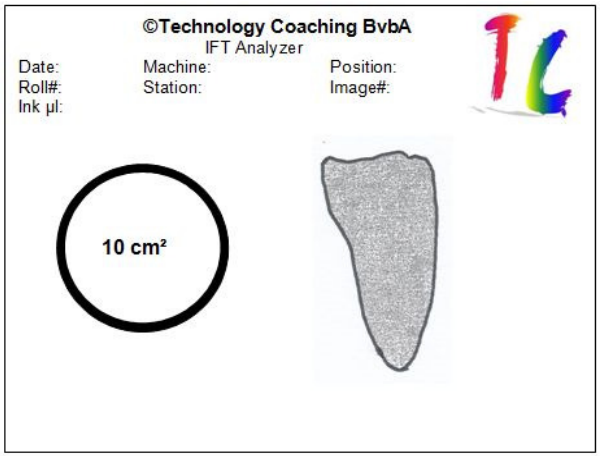
In the above procedure, the area of the blot is traditionally measured with a planimeter. This part of the process is slow, error prone, and requires an expensive instrument.

The image of the blot and the calculated figure have to be manually filed for future reference.

IFT Analyzer has a better way to do all this.

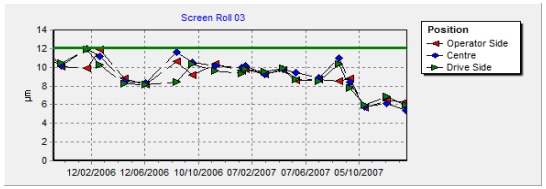
No special hardware is needed, Just a Windows PC (Desktop, Notebook or mini PC) with almost any scanner, digital camera or the USB Microscopes part of the IFT Equipment case.

Simply use the scanner, camera or USB Microscope to capture the blot image. IFT Analyzer will quickly, effortlessly, and accurately, process this image and calculate the area of the blot.



The ink blot on the IFT Analyzer reference label

Your blot images, the calculated IFTs, and associated information such as screen roll number, measurement position, machine, etc. are all stored in an industry standard Microsoft Access database. IFT Analyzer will use this data to graph the IFT history.



Screen roll IFT History graph

IFT Analyzer will also store images taken of the screen roll surface and allow to measure screen count and cell wall thickness in the image using the USB Microscope. This allows a permanent record to be made of screen roll wear or damage.

Tests can be exported to a file, the file transmitted electronically (for example by file copy, web download or email attachment) and imported by another copy of IFT Analyzer.

Using IFT Analyzer simply to view test results rather than make new ones is free.

IFT Analyser is initially available in English, German, French and Dutch.

New! HFT add-on option for measuring high film thicknesses above 15 µm up to 100µm. For lacquer, coating and glue rolls

Technology Coaching BvbA

Kerkhofdreef 3, 0202
3001 Heverlee
Belgium

Phone: +32-16 652760
Fax: +32-16 79 52 64
Website: www.tcbvba.be