

Technology Coaching BvbA

Your partner to improve and innovate by understanding your:

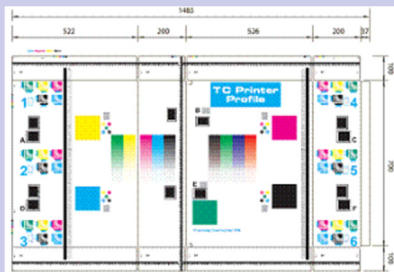
- Customers;
- Products;
- Processes;
- Suppliers.

Products:

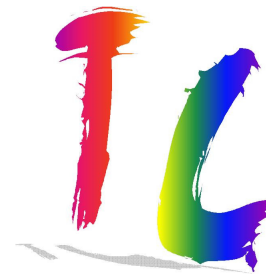
- IFT Analyzer (Screen Roll Inspection);
- Box Assess

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



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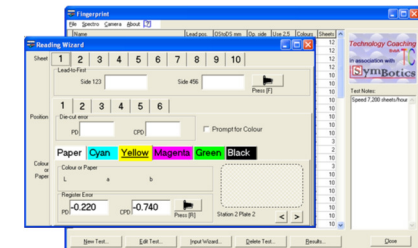
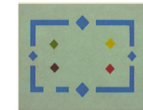
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Technology
Coaching

Press Assess - A better way to evaluate Printing Equipment



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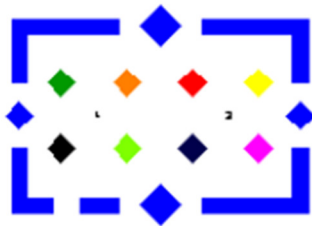
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Press Assess Version 5

Press Assess is a software tool for evaluating your printing and die cut equipment in terms of:

1. Colour to colour register variation
2. Start-up colour to colour register change
3. Print to structure register variation
4. Lead edge to first colour variation
5. Colour variation
6. Start-up colour variation
7. Ink transfer variation

The data collection is done using a spectrophotometer for measuring colour data and a high resolution USB 3.0 digital camera for measuring register data (manual



9 Colour Register Reference

input of register data is also possible). The data collection wizard is extremely easy to operate.

The data collected can be corrected for operator influence.

The results are presented in easy to understand graphs and summary statistics.

Press Assess is available in 4 languages (English, German, French, Dutch, On request more languages can be added

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 performance of your printing equipment..

The measuring equipment and print test form is optional available.

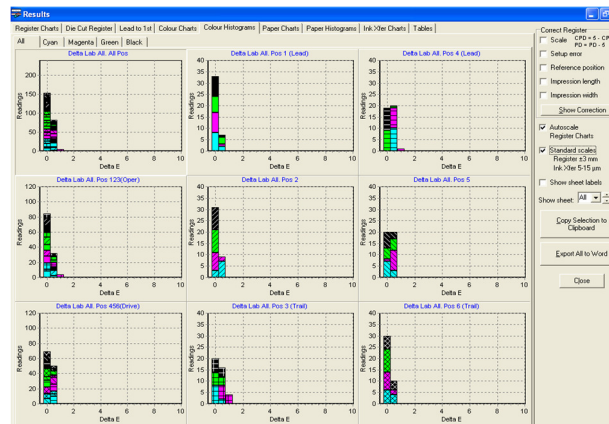
Press Assess runs under Windows 7 and higher.

The measuring principle

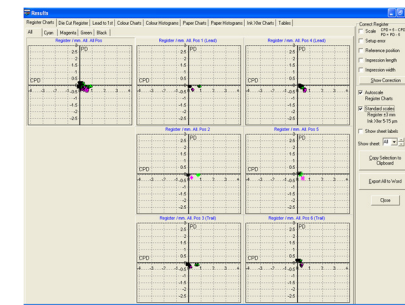
For the testing a special designed Press Assess print test form is used and Die Cut form (Flatbed or rotary). It contains 6 positions, 3 on operator side and 3 on drive side for collecting register and colour data (See back of brochure). The test can be done for a machine having any number of print stations using 2 print plates or an individual print plate per print station. The digital camera will measure a maximum of 9 colours. A manual with the print test procedure explains how the test and data collection for more than 9 colours or using only 2 print plates is done. The test form is used as a normal print job. A number of consecutive printed sheets are taken from the run preferably 10 or more. The Colour data is collected using the spectrophotometer the register data including lead edge to first colour is collected using a digital camera and the specially designed register element. Register data can be corrected for: Set-up, Stretch in print direction, stretch in cross print direction and skew.

Why use Press Assess?

When purchasing new printing equipment or looking at the status of existing printing equipment it is important to understand its capability quantitatively. The Press Assessment software and test procedure will provide this information. It is thus possible to compare equipment in terms of register variation and colour variation. The test can also be used during commissioning of printing equipment to see if the equip-



Screen Shot Colour Variation Results



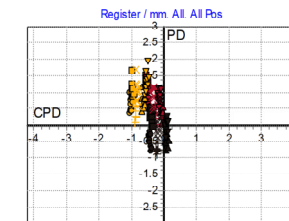
Screen Shot Colour to colour register Variation Results

ment meets its specifications. If existing equipment is upgraded or maintained then the test can provide valuable information about the effect the upgrade and/

or maintenance had on the improvement of the printing equipment in terms of register variation and colour variation.

The combination of the digital camera and the register element allow a measuring accuracy for colour to colour register of ± 0.003 mm (or less).

The program calculates register offset correction, stretching and skew between print stations. It is also possible to do an ink transfer evaluation using a reference print test with an ink sample taken from the test.



Exporting of graphs to a document is easy.



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