SCANDIFF2-PRO

TO BE SURE TO PRINT THE RIGHT JOB

Scandiff2-Pro is an out of line system dedicated to the comparison of digital files. The system is equipped with an high resolution line-scan camera for the image acquisition of cylindrical objects like tubes or sticks.
Thanks to Scandiff-Pro it is possible to compare the first printing result with the pdf file provided by the customer.

NO MORE WRONG TEXT OR MISSING LETTERS

The high standard resolution of 600dpi warranties very fine control results. The accuracy of the control is really amazing and it is able to detect small problem like a missing of one pharmaceutical dot.

EASY TO USE

The user interface is clean and easy to use. Most part of operations is done automatically by the software or the software guides the operator in order to complete the comparison procedure.

DIFFERENT FUNCTIONALITIES FOR DIFFERENT NEEDS

Scandiff2-Pro can be used at the end of the start up of the line before the beginning of the production. At this time It is possible to find out errors which come up during the processing of the plates or problems on the clichés. Scandiff2-Pro helps you to find out problems before printing the entire production job.

Control and PDF comparison of
PRINTED TUBES BASED ON DIGITAL FILES

Scandiff2-Pro can be use time to time during the printing process. With this statistical control it possible to detect problems that came out during production and it possible to monitor color variation with delta E measurement.

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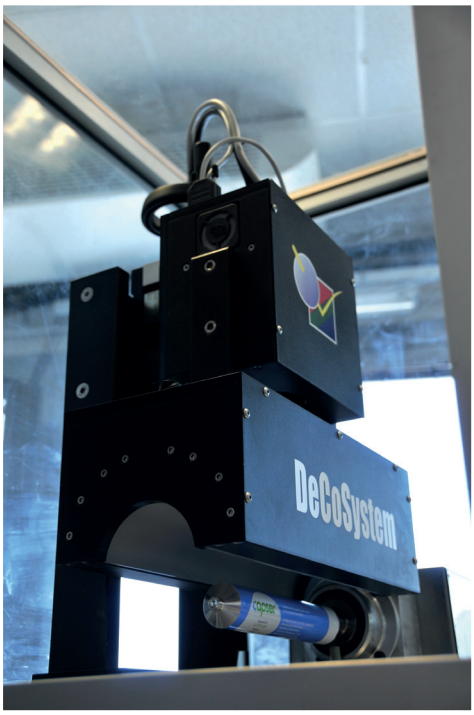
TECHNICAL FEATURES

- Acquisition procedures are carried out directly and automatically from the camera.
- Renew operator interface with very intuitive procedures.
- Easy alignment between master and inspected image
- Possibility to modify and adapt the control tolerances in order to best fit the customer quality requirements.
- Quick zoom function with possibility to accept defects
- Filtering and stretching algorithm on the image to compensate the differences between digital file and real print
- Great reliability in the detection
- L*a*b colour measurement function for colour comparison
- Each control result can be documented by a detailed report that can be printed out or exported for later use.
- Connection to a database for an easier access to reports and shared files.
- Automatic login with USB memory stick



TECHNICAL DATA

Rotation device	Asynchronous motor with inverter and encoder for speed adjustment and synchronization
Mandrels	Set of three diameters included
Replacement of the mandrel	Mandrel exchange device with fast insertion
Computer	Workstation Dell T3600 Quad core (6Gb ram)
Operating system	Windows 7 64bit
Monitor	Philips 247E-Led Monitor - 24" 24" 16/9
Camera	Dalsa - PC 4096pixel - colour
Field of view	220mm
Resolution	Interpolated up to 600 dpi
Illuminator	Calotta with LED for diffuse light
High adjustment	Mechanical slide with fine adjustment
Master storing time	20s
Control time	30s
Total control time	50s
Controls	Missing print, missing text, mis-registration, colour variation (camera to camera comparison), splashes.
Colour measurement	L A B (CIELAB 1976)
Min defect size	Ø 0,15mm

Technical data and system specifications refer to the state at the time of printing. We reserve the right to modify them in the interest of a continuous program of further development.

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