

Printflow DC



Printflow DC

Closed-Loop Density Control with Techkon scanning densitometers

In today's competitive printing market, increased pressure to adopt reliable process control equals objective color measurement.

With auto scanning densitometers, colorbars are quickly measured to provide meaningful press control information.

The *Printflow DC* system processes this information, calculates the required ink fountain adjustments and sends the calculated values to the press ink console.

The press console then automatically adjusts ink fountain keys so that the required density values will be maintained. This process is called closed-loop density control.

Printflow DC utilises the benefits of CIP3 compatibility (Digital Ink Preset System) and advanced closed-loop color management to ensure accurate and consistent color. Presses achieve color more quickly and hold color throughout the run.

Printflow DC features:

- compatible with SpectroDrive or RS 400 scanning densitometer from Techkon
- enables presetting of ink fountains from prepress (CIP3) files and advanced closed-loop color management
- retrofittable to both new and used presses

Printflow DC benefits:

- brings new increased quality to printers
- helps reduce costs and increase productivity
- fast return on investment



Printflow DC consists of:

Printflow DC Color Control Software

Printflow DC gives press operators quality control feedback. Printflow DC Color Control Software displays and processes the solid densities measured by the *Techkon SpectroDrive* or *RS 400 scanning densitometer*.

The software compares the measured results against the desired values and calculates new ink key settings for the press. If the density is found outside the set limit Printflow DC calculates the appropriate ink feed ratio and gives this information to the press console.

The press console automatically adjusts the ink fountain keys in order to hold color for an entire press run. This enables the production sheets to match the client's OK sheet or reference sheet.

Printflow DC online Press Interface

Printflow DC Press Interface secures the communication with press consoles. There are different press connection solutions for different press consoles. One solution enables both the prepress-to-press as well as the scanning densitometer-to-press connectivity.

Printflow DC Computer

The system is operated from the touch panel or the keyboard of a personal computer.

Printflow DC Ink Preset Software

This software accepts image area coverage information generated by the DIPS Converter software. The DIPS Converter can read CIP3/4 or almost any other proprietary format in practically every prepress workflow. The image area coverage information is processed by Printflow DC for automatic CIP3 preset of press ink fountain keys by the press console. This makes for shorter set-up times, less material waste and less wear and tear of a press.