

# Digital Information



Measuring and regulating  
for the offset process

## InkZone Loop: Online printing

*The launch of InkZone Loop puts a manufacturer-independent online solution for digital control of offset presses onto the market for the first time ever. Supported by measurement technology, InkZone Loop enables the automatic*

*measurement and evaluation of control strips, as well as the continuous transmission of computed correction values directly to the printing machine. InkZone Loop is based on tried-and-tested IZ Card, IZ Tape, IZ Strip and IZ Perfect preset solutions.*



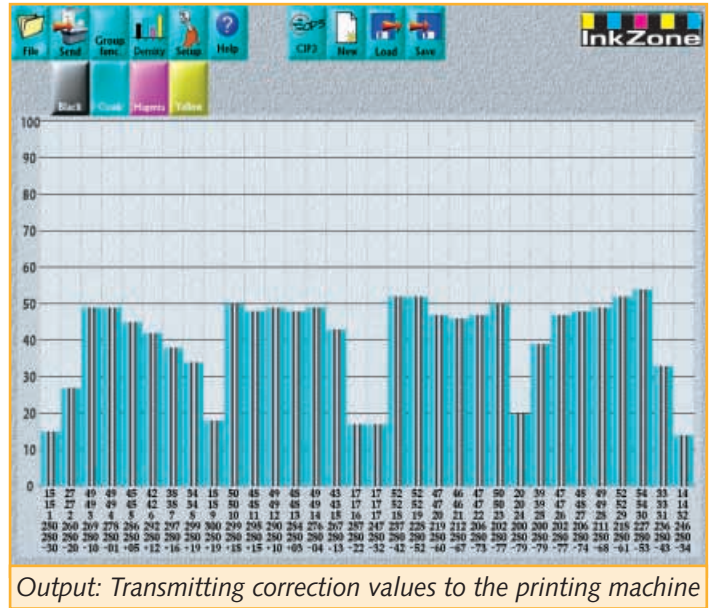
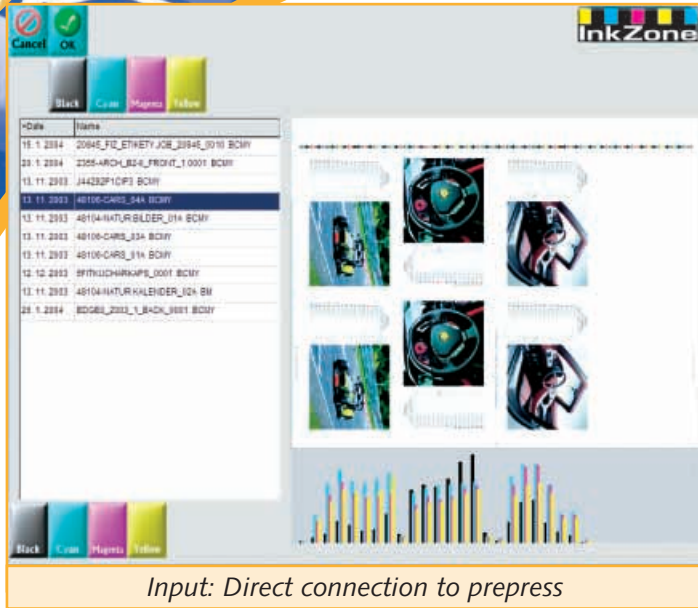
### Measure...

InkZone Loop supports measuring systems from a wide range of manufacturers. Density values on the sheet containing the printing control strip are measured in a matter of seconds, and can be visualized in IZ Loop.

Using saved data, the printer immediately recognizes the ink zone where the color is wrong. In addition to density, InkZone Loop evaluates other factors like dot gain, slur, etc. Naturally, as well as functioning with CMYK, InkZone Loop supports any spot color. All these functions combine several production steps that so far have mostly been carried out manually. InkZone Loop thus comes with a huge increase in efficiency.

Streamlined sequences are extremely important, especially at a time when print runs are shrinking.

InkZone Loop generates a record of the measured color data and thus assists with repeat runs. Naturally, the record also aids compliance with international quality standards.



### ...and regulate

By comparing actual measured values with reference data, IZ Loop computes correction values for the printing machine. Transmission of the data to the console can be via IZ Card, IZ Strip, IZ Tape, or IZ Perfect. If necessary, the operator checks the preset values and, at the press of a key, releases them to the printing machine. The effect is clear: a huge reduction in workload, higher quality, and a stable production run.

### Preset & proof

The preset products IZ Card, IZ Strip, IZ Tape and IZ Perfect are extremely important if IZ Loop is to be used successfully. The better the preset, the more efficient the closed loop! While InkZone solutions secure the connection to the printing machine, the DI-Plot software package looks after the transfer of prepress data. DI-Plot reads both CIP3/4 and proprietary bitmap formats from almost all prepress workflows and passes the computed ink zone values on to InkZone for digital pre-setting of the printing machine.

At the same time, DI-Plot can produce accurate form proofs from the ripped bitmap data of almost all workflow systems.

### Ready for the print run in record time

The combination of control, measurement technology and workflow interface is unique. With InkZone Loop, the printing house saves time and cuts down on waste. Reference values are attained faster, and it's easier to keep them within narrow limits. InkZone Loop enables set-ups in record time, even with

offset machines from the previous millennium. It's the perfect way to protect investments in existing installations. InkZone Loop – the latest update for your offset printing machine!

## InkZone Loop configuration

### InkZone Loop software package

Densitometer processing of measured density values, control of the ink screws in offset printing machines, feedback of ink screw values from control consoles, generation of an automatic loop from measurements and rules, software package for Windows, copyright protection (dongle) and digital manual (PDF).

### Compatible measurement systems

X-Rite: ADT, ATS  
Techkon: RS 400, RS 800

### Hardware

CPU Intel Pentium IV, 3.x Ghz, 1024 MB RAM, 40 GBB Hard disc, 10,000 RPM, 17" TFT monitor (touch-screen recommended), Ethernet network, USB, keyboard, mouse.

### Operating system

Microsoft Windows XP Professional

### Further requirements

InkZone Loop functions only in conjunction with online ink zone presetting. InkZone Loop can therefore only be used in conjunction with DI-Plot and the InkZone Card/InkZone Strip/InkZone Tape/InkZone Perfect solutions.

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