

InkZone Inline For Sheetfed and Web

InkZone Inline measures color bars on the paper during a print run and controls the offset press ink keys continuously. The combination of InkZone's digital ink key presets and InkZone Inline color control can significantly reduce paper waste and make-



ready time for nearly all sheetfed and web offset presses. Simultaneously, InkZone Inline helps pressrooms to achieve perfect color consistency throughout the complete printing process.

InkZone Inline was developed in close collaboration with the world's most renowned manufacturers of inline color measuring technology. InkZone Inline is a cost-effective density measurement system, as well as a solution for spectral measurements. InkZone Inline is perfectly suited for retrofitting any sheetfed or web press or to replace outdated color measurement tools.

Fast makeready

The combination of Inline measurement on the press with automated control of the ink keys results in improved color stability, a reduction in waste, and offers complete documentation of the

production run. InkZone Inline measures color at full production speed without the need to pull sheets for inspection. The print control strip on the sheet is measured with the highest level of precision.

Less stress

InkZone Inline significantly reduces the press operator's workload. The continuous reporting function can be used for quality control and also to analyze and resolve customer complaints. Usually, InkZone Inline is installed after the last printing unit and automatically measures color in the freshly printed color bars. It is, of course, capable of

controlling the color on both sides of the printed sheet.

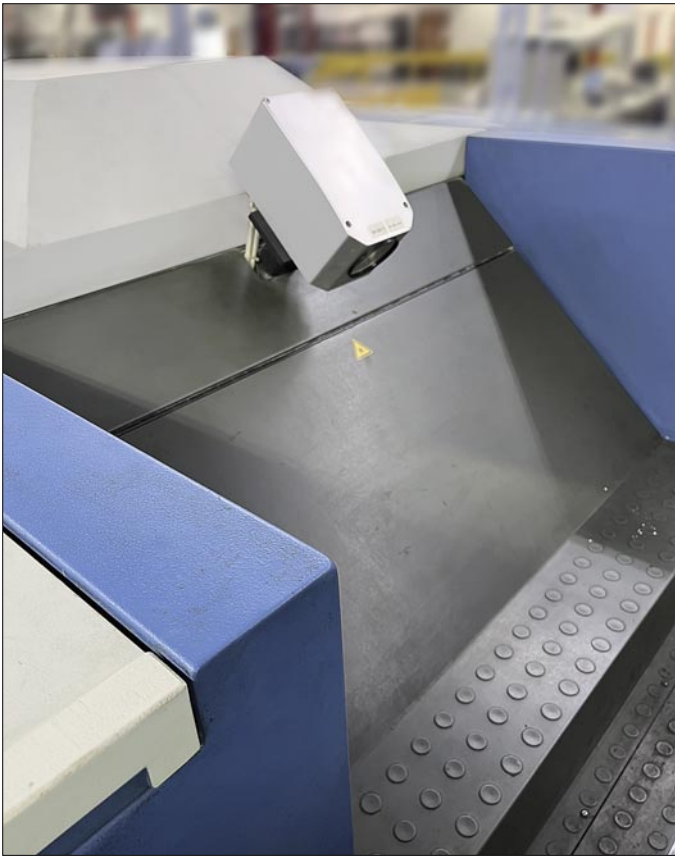
Inline color measurement and press control offers the possibility of collecting much better color data quickly and without additional work. The presses are capable of running continuously during the complete offset printing process without the need to stop and pull sample sheets. Management and press operators are able to get data that accurately reflects the color of a job throughout the complete press run. InkZone Inline is an important tool that helps to streamline the printing process and allows for complete quality monitoring.



InkZone Inline for web...



... and sheetfed offset presses



State off he art color bar image caption device for inline density measuring.



InkZone Loop Inline ensures quick and accurate color matching.

Printing Industry 4.0

IZ Inline is able to communicate with most prepress workflows and can deliver color reporting as well as administrative data to 3rd party ERP/MIS systems. The optional IZ SheetCount solution is able to digitally read the press manufacturers sheetcounter numbers. These values are constantly shown within IZ Move Inline and saved in the InkZone database, together with the corresponding color results.

Don't stop the press

Inline color measuring devices are able to read up to every color patch in every color bar on every sheet going through the offset press. Usually several sheet

readings are combined to one measuring to be visualized in the IZ Move Inline application. IZ Loop Inline is constantly controlling the offset press. Usually fully automated without any further user intervention. This guarantees permanent high printing quality without any additional work for the press operator.

CMYK and spot colors

IZ Move Inline is measuring standard CMYK as well as spot colors. Color targets can be either read from printed samples, color data delivered in open

CxF format or selected from the integrated IZ Move Inline spot color database. IZ Loop Inline is regulating all units constantly and fully automated. Thus reaching the desired color targets in record time.

Conclusion

InkZone Inline is ready to be installed on nearly every sheetfed or web offset press. Makeready time and paper waste can be reduced up to 25% for each press setup, day by day.

Supported Inline Color Measuring Devices

- KBA Koenig & Bauer Qualitronic
- Grapho Metronic IDC Inline Density Control
- GICS Lab-Vision



Inline quality inspection and color measuring device installed left from the upper printing unit.