



## Heatset Web Offset Press

The heatset web offset press is used for printability testing of offset papers. It is a neutral way to solve problems too.

In heatset printing the papers has to endure the effects of hot air drying, web tension, high speed and a complex ink/fountain solution balance. In addition to four-colour print quality, heatset web offset test printing provides information about these special effects. Special test printing methods are available for more detailed testing of blistering, fiber roughening, piling, linting and dusting.

Possibility to include different kind of print quality measurements and to install informative device broadens out the understanding of the phenomenon at the heat set web offset trial. Wider window to heat set offset printing can be reached by testing different materials (inks, fountain solutions, blankets, plates etc.) and circumstances.

Process parameters	
Machine	Albert-Frankenthal A 101 S, four blanket-to-blanket printing units, M.E.G. Sigma dryer (modified)
Sheet	8-page short-grain (former & jaw fold)
Cut-off length, mm	444
Web speed max, m/s	7.4
Air temperature max, °C	300
Web temperature max, °C	200
Web width, cm	42 - 55
Reel diameter max, cm	120
Grammage max, g/m <sup>2</sup>	150
Inks	Customer's or standard (possibility of two pumping lines to quicker change)
Fountain solutions	Customer's or standard (with new fountain solution circulation possibilities)
Blankets	Customer's or standard
Plates	Customer's or standard

Variation of process circumstances and installations of device is possible.

Method of coldset web offset printing in press

When the amount of paper is critical we have know-how how to prepare printing reels for trial.

Print quality testing by standard methods and by KCL special methods.