

Press Release

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Efficient Printing in Improved Quality

Online print shop SAXOPRINT relies on sheetfed offset press with integrated UV-LED curing system by Eltosch Grafix

More efficient printing in improved quality – this dream came true for the Dresden-based online print shop SAXOPRINT at beginning of June 2015: Then their new Heidelberg Speedmaster XL 162-8P equipped with two UV-LED-curing systems by Eltosch Grafix GmbH was brought to service. More than 10 million sheets have been printed since, each of them in stunning quality.



The SAXOPRINT team on the first day of production: Thumbs up for the new sheetfed offset press with UV-LED curing

Press Contact:
Catherine Gettert

phone: +49 (0)89 8 56 08-170
catherine.gettert@hoenle.de
Lochhamer Schlag 1
82166 Gräfelfing

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phone: +49 (0)89 8 56 08-170
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An improved printing quality was just one of many reasons which lead to the decision to purchase a printing press with UV-LED curing. Another crucial factor was the outstanding efficiency of this technology.

UV-LED curing results in shorter production times while saving energy. LEDs only work when they are actually needed. Thus they do not require stand-by times, times for start-up, or times for re-cooling. Furthermore inks cure immediately when irradiated with UV-LED light and can be post-processed in the bindery without delay.

Using UV-LED offers maintenance benefits as well. This technology does not need powder-spraying and “lamp replacements” are rare, as LEDs offer a much longer life time than conventional UV lamps.

At SAXOPRINT two UV-LED curing systems were integrated in the press. The LED Powerline Focus by Eltosch Grafix unites the know-how of sheet-fed offset experts with that of UV specialist Hönle. The result is an UV-LED system which is optimally tailored to the requirements of sheet-fed offset printers.

The LED Powerline Focus consists of two LED rows with special optics allowing even larger distances to the substrate without loss of performance. Its specific power is 100 W/cm and can steplessly be adjusted. The modular design of the LED system allows the switching-off of single segments for an easy adaption to smaller sheet sizes.

Condensation of water is avoided by regulating the water-cooling system of the LED system in relation to the room temperature.

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LED Powerline Focus: an UV-LED system by Eltosch Grafix GmbH

The two UV-LED modules have been installed in the press in interdeck positions after printing unit 4 and printing unit 8. Both modules have the same installation place, thus the same distance to the substrate and the same energy input. This leads to identical curing results for the front and the back of the sheet, also regarding the gloss level.

“Our expectations have been met in every respect”, states Klaus Sauer – General Manager of SAXOPRINT. “We can serve our customers with excellent print products.” And he declares that this kind of UV-LED-technology will certainly be included in future the decision-making processes.