**SEPTEMBER 2015**

**OMET to introduce UV-LED Curing at Labelexpo Europe 2015**

**OMET, Hall 6 stand C49-C53, will present UV-LED curing installed on XFlex X6 430mm hybrid flexo + digital inkjet press in Brussels**

As a market-first, the UV-LED system supplied by OMET on its printing machines, whether as a new product or retrofit, is the latest-generation of AMS FLEXO Series LED UV system. The system is a turnkey solution for Flexo narrow and medium web printing presses, and networks together up to 20 of AMS’s award-winning and patented XP Series LED lamps at up to 25 W/cm2 each – the highest in the industry.

The XP Series LED lamps are 100% solid-state modules constructed in a durable aluminium housing that offers seamless energy emission across any web width, with a working distance range to the web that eliminates the risk of accidental contact. A water-based chilling system ensures long life for the LEDs and a cool, quiet, and safe operation around the press, with a unique system that protects against condensation damage. The LED units from AMS can co-exist with traditional UV lamps making it possible to switch from UV to LED, and vice versa, if needed.

The benefits the UV-LED process brings to the printing industry are nowadays quite familiar. They primarily involve two different areas of the printing process: first is the elimination of heat-related issues, and the second relates to the savings involved in the process.

Because UV-LED is premised around a digital cool light system, it eliminates the warm-up and cool-down time inherent to the UV curing method; also toxins normally released by heat in the substrates are eliminated, as well as the ozone and mercury emissions. Virtually zero maintenance, reduced energy consumption (close to 50% reduction) for the curing process and elimination of the need for standby time contribute to keep general operating costs low.

Other features of the UV-LED system from OMET and AMS are: touch-screen control completely integrated to the press, individual lamp intensity control, automatic lamp intensity setting with web speed, real-time LED output feedback, integrated cooling monitor, and full-featured information logging with 24/7 remote support. For more information about the system, please visit www.airmotionsystems.com.

After evaluating multiple providers of LED technology, OMET had its first chance to witness the quality and performance of the UV-LED system from AMS via a mutual installation on a Varyflex V2 press at the customer ACM in Italy. The retrofit on an existing machine turned out to be very successful with exceptional results concerning the curing quality, the brightness of UV-LED inks, and the shorter time needed to cure. In addition, the customer, in his own words, is particularly pleased with the much lower energy consumption, compared to UV, the quick ROI, and the high press operating speeds.

OMET is by far the only manufacturer of printing presses that can satisfy any printing need in the label and packaging sector offering modular presses, custom-made solutions and the widest range of technologies to choose from. The OMET UV-LED system, provided by AMS (world headquarters near Minneapolis/St. Paul in the central US), is now an integral part of OMET’s range and fully compliant with OMET’s machine specifications.

**We invite you to visit OMET’s booth at Labelexpo Europe 2015 (6C49-C53) to appreciate the best OMET can offer to the narrow and mid web label and packaging printing business, now including top-quality UV-LED systems.**

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