

Case Study

Application: Industrial Inkjet Printing



FireFlex UV LED Curing Light Source

- Proven Reliability
- Superior Performance
- Innovative Technology

SMARTCURE™ - The Innovation in Environment-friendly UV Curing

With the SMARTCURE™ series, Atlantic Zeiser is presenting the latest generation of its highly regarded UV LED curing technology.

The compact modules cure UV inks in a cost-saving and environment-friendly manner thanks to their low energy consumption, absence of ozone emission, reduced requirements for ventilation and cooling as well as a longer operating life compared to traditional UV curing systems. The LEDs are instant on/off, so SMARTCURE™ only switches on when ink curing has to occur. This saves energy and increases the service life of the unit even further. Atlantic Zeiser's specially formulated fast-curing inks are perfectly suited for SMARTCURE™, resulting in high-contrast reproduction and strong ink adhesion even on non-porous surfaces, making the ideal choice for high-resolution variable data printing on a wide variety of substrates.

FREEZECURE™ is the first air-cooled LED pre-curing (pinning) module from Atlantic Zeiser, recommended for moderate production speeds and very demanding print quality requirements.

Your Competitive Edge

- Increased productivity
- Low operating costs
- Investment savings
- Highly cost-effective
- Easy integration/easy to use
- Extremely long service life
- Trouble-free operation
- Environment-friendly operation

The Future of UV LED Curing

Forget all the trouble that you have had to put up with from conventional lamp-based UV dryers in the past. UV LED based curing modules offer you:

Drastically reduced operating costs

- › Significant increase in operating life over Hg UV lamps

- › Typically 50% decrease in energy consumption over Hg UV lamps
- › Instant on/off switching
- › No generation of hazardous ozone
- › Less wasted heat

New applications

- › Practically no heat radiation
- › Improved ink adhesion
- › Steady light source output
- › Homogeneous light coverage on the printed area

About Atlantic Zeiser

Atlantic Zeiser is a market leader in industrial personalisation and coding technology, as well as a leading innovator in high-speed industrial digital printing of variable data on smooth surfaces that are problematic to print on.

For more information on Atlantic Zeiser visit their website at www.atlanticzeiser.com or email sales@atlanticzeiser.com.