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UV LED technology expands business activities for Glunz & Jensen

In May 2013, Glunz & Jensen A/S acquired an initial 16.8 % stake in Othonia Curing Technology A/S (Othonia). Othonia develops an innovative computer-controlled UV LED concept for curing surfaces which is replacing the original Mercury lamp technology.

UV LED lamp offers instant on/off technology, removing the need for warm-up time. The lamp also offers an extreme accurate and flexible wave-length operation.

The biggest advantage of using UV LED Lamp Technology is the 60 % energy power savings along with complete removal of mercury disposal, ozone and heat emission – a very environmentally friendly solution.

LED technology provides many opportunities for the use of UV LED in different industries. Glunz & Jensen has chosen to exploit the following three areas;

- Glunz & Jensen will incorporate the UV LED technology in their current exposure products for the flexo prepress industry, where it can benefit the production of flexographic plates, making it more environmentally friendly and cost effective. Glunz & Jensen brings to the market a generic product that can be tailor made for OEM partners.

The initial field tests show very promising results and Glunz & Jensen plan to launch the first commercial product in the first quarter of 2015.

- UV LED technology can be used in connection with the drying modules of printing units for offset, flexo, as well as digital printing machines. With the exact wave-length of the UV LED, it perfectly dries with significantly reduced energy consumption in the printing press. The LED light source exposes the material with a very little amount of heat, which makes it ideal for curing thermal sensitive substrates as foil, paper cardboard and aluminium.

Glunz & Jensen is in close dialogue with printing press manufacturers and has performed an initial concept evaluation, showing very promising results.

- The new UV LED technology will also be used for curing surfaces in other applications, such as paint and lacquer in the furniture industry. The LED and the UVC lamp units expose the material with a very little amount of heat, which makes it ideal for curing thermal sensitive substrates as wood and electronics.

Initial testing during the last quarter proves a strong concept and Glunz & Jensen is currently designing a field test module for the evaluation in a real production environment. The first field test unit is expected to be installed at a Danish customer site in October 2014.

Moving forward, Glunz & Jensen and Othonia will cooperate on the development and commercialisation of the technology. Othonia's products will be marketed by Glunz & Jensen.

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About Glunz & Jensen

Glunz & Jensen is the world's leading supplier of innovative solutions for the global prepress industry. Our main product areas are processors for the offset and flexo printing industry, iCtP plate setters and automation equipment. We also provide exposure units, dryers, light finishers, mounting tables, conveyor equipment, stackers and software for monitoring and controlling complete prepress processes.

As a recognised leader in prepress technology for more than 40 years, Glunz & Jensen has recently expanded its capabilities through the acquisition of GKS, Degraf, Microflex og NES. We have long-standing relationships with prominent OEM customers, including Agfa, Asahi, DuPont, Flint, Fuji, Heidelberg, Kodak and MacDermid. We also market our products through an extensive worldwide network of distributors and dealers.

Based in Denmark, Glunz & Jensen has approximately 230 employees in subsidiaries and production facilities in Denmark, Slovakia, USA, Italy, England and China.

Glunz & Jensen A/S is listed on Nasdaq OMX Copenhagen A/S.

