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LÜSCHER INVITES SPW TO NEW PRODUCT LAUNCH

In September *Specialist Printing Worldwide* was kindly invited to Lüscher head office in Switzerland to attend its global sales meeting. Included was the introduction of the new leadership team and unveiling of the all new JetScreen! CS.

Lüscher Technologies AG has launched the world's first ultra-compact computer-to-screen (CtS) system JetScreen! CS. This new system enables the high-end production of screen-printing stencils. Combined with the in-house XI!Tend software optimal images can be created. The JetScreen! CS can be demonstrated live at the modern demonstration and training centre in Oftringen, Switzerland.

With this worldwide unique system, Lüscher once again presents a completely new generation of CtS systems. The combination of Swiss precision engineering and state-of-the-art laser technology is compactly combined with a format of up to 1300 x 1450mm. The stencils can be inserted from the front or the side. Optionally, the JetScreen! CS can be equipped with an automatic stencil-feeding system that can be integrated into an inline system.

The JetScreen! CS system is transported and installed as a compact, ready-to-use unit. As a result, the installation time can be



Left: Stefan Thulin, CSO; centre: Benedikt Strebel, CEO; right: Peter Spitteler, CTO

considerably shorter and the costs incurred for the installation significantly lower. Depending on the quality required, the desired resolution can be freely selected at

the touch of a button. Whether 635, 1270 or 2540dpi, the resolution is in direct proportion to the output performance. This means that the JetScreen! CS always operates in the optimum quality and speed range. For more demanding applications, such as membrane keyboards or printed electronics, the 5080dpi resolution can be used, allowing flawless reproduction of the finest details.

The laser diodes have high power reserves and the energy can be adapted to the requirements of the emulsion. No special high-speed layers are required, because all conventional types of emulsions and thick layers can be exposed and through-cured on the JetScreen! CS. Consumables such as metal halide lamps, LEDs or DMD chips are thus no longer required. The 2 kW power consumption of the JetScreen! CS is considerably low and guarantees the least operating costs.

XI!Tend – the groundbreaking software solution for optimal image results in the processing of TIFF (tag image file format) data can be used to significantly improve the image results of screen emulsions, capillary films and photoresists (positive or negative). The software adjusts the size of all graphic elements to compensate for light diffusion, diffraction and other physical phenomena and brings them into line with the TIFF input.

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The JetScreen! CS