

Press Release for Glasstec 2018 Düsseldorf

High Tech Equipment Now Also for the Large Format Computer to Screen Market

Since the sales volume of the MultiDX! Series for the digital production of small to medium size screens has exceeded expectations, Lüscher Technologies AG has decided to relaunch large format Computer to Screen equipment to high-end screen printing markets with the new JetScreen! LT series.

The decision was made following various meetings with customers at shows and at customers' premises. These discussions have demonstrated a significant demand for fast high-resolution exposure systems for the professional production of screens for sophisticated industrial and technical screen-printing applications. There is a need for systems featuring both process reliability and sufficient power reserve to expose and adequately cure any customary emulsion.

High performance at low operating cost

The fibre coupled laser diodes in the 405 nm range of Luescher Technologies AG have enough power reserves to expose any customary emulsions and thick film and trouble-free. Offering resolutions between 600 up to 2400 dpi, the new technology is able to meet the requirements of even the most demanding customer. Fully automatic laser calibration and autofocus (on the fly) provide consistent quality and absolute process reliability. The operating expenses are low thanks to the long lifetime of the maintenance-free diodes of up to 20'000 operating hours and the individual temperature management of every single diode by means of maintenance-free Peltier elements.

New design and variable options

The completely new design will be equipped with cutting-edge components such as maintenance-free linear motors, data transmission via gigabit network and further state of the art highlights. The new JetScreen! LT will be available in various formats: The largest machine of this series planned so far is designed for a frame format of 4600 x 3200 mm. The smallest unit will cover a frame format of 1500 x 1500 mm. Other formats will be available upon special request. Depending on the particular application, the machine can be equipped with 32 up to 128 laser diodes. Should the required output be higher in the long run, the machine can be upgraded on site with additional diodes. As an option, all JetScreen! LT installations can be integrated in fully automatic manufacturing lines, e.g. Zentner systems, including development, coating, drying and magazine units.

MultiDX! 240 UV at the Show

At booth o. A4-A37, Luescher will be demonstrating a **MultiDX! 240 UV** Computer to Screen installation. It is equipped with a **new optic with dual resolution** of 2540 and 5080 dpi. The desired resolution can be selected at the push of a button. Standard jobs are exposed with 2540 dpi and at regular speed. More demanding jobs, i.e. membrane keypads or printed circuits, the higher resolution of 5080 dpi is used. This guarantees perfect reproduction of even the finest details such as lines up to a thickness of 20 microns. MultiDX! 240 UV is used to expose frames of 1550 x 1450 mm with an exposure area of 1300 x 1100 mm. Compared to other Computer to Screen methods, the screen lies flat on a vacuum table, allowing an absolute precise exposure. Several MultiDX! equipment with dual resolution made by Luescher have been installed at renowned customers in Europe and the USA.

More information about the **JetScreen! LT and MultiDX! Series** are available at Luescher Technologies AG in Bleienbach/Switzerland www.luescher.com.