

JetScreen! LT

High Tech Computer-to-Screen System
with UV Laser Diodes for Large Formats



BASED ON INNOVATION.

luscher
Technologies

Advantages of the Patented Lüscher Laser Diode Technology

- PROVEN AND TRUSTED TECHNOLOGY MADE IN SWITZERLAND
- MAINTENANCE-FREE FIBRE OPTIC COUPLED LASER DIODE TECHNOLOGY
- FULLY AUTOMATIC CALIBRATION OF LASER DIODES
- ULTRA-LONG LIFESPAN OF THE LASER DIODES WITH +20'000 EXPOSING HOURS
- UPGRADEABLE – ADDITIONAL LASER DIODES CAN BE ADDED AT ANYTIME FOR FASTER EXPOSING SPEED
- HIGH-ENERGY LASER DIODES FOR HIGHEST ENERGY OUTPUT, NO ACTIVE COOLING SYSTEM REQUIRED
- NO CONSUMABLES
- OPERATES VIRTUALLY MAINTENANCE-FREE
- LOW ENERGY CONSUMPTION, LOWEST COST OF OWNERSHIP

Advantages of the JetScreen! LT

- LÜSCHER TRIOPTIC! SYSTEM INCLUDES 3 DIFFERENT RESOLUTIONS 635 / 1'270 / 2'540 DPI
- OPTIONAL RESOLUTION OF 5'080 DPI AVAILABLE
- DYNAMIC AUTOFOCUS
- AUTOMATIC SCREEN FEEDING (OPTIONAL)
- HIGHEST ENERGY OUTPUT ON SCREEN. STANDARD DIAZO-PHOTOPOLYMER („DUAL-CURE“) EMULSIONS AND CAPILLARY FILMS CAN EASILY BE EXPOSED AND FULLY CURED
- NO CONSUMABLES SUCH AS MH LAMPS / UV LAMPS / LED'S OR DMD CHIP
- INTEGRATION IN AN AUTOMATIC INLINE SYSTEM POSSIBLE



Technical Specifications of the JetScreen! LT

Machine Type*	Maximum Frame Size	Maximum Exposure Area	Machine Dimensions (L x W x H)	Weight
JetScreen! LT 17/15	1'700 x 1'500 mm (66.9 x 59.1 inch)	1'700 x 1'440 mm (66.9 x 56.7 inch)	3'400 x 1'720 x 2'780 mm (133.9 x 67.7 x 109.4 inch)	2'850 kgs 6'283 lbs
JetScreen! LT 23/18	2'300 x 1'800 mm (90.6 x 70.9 inch)	2'300 x 1'740 mm (90.6 x 68.5 inch)	4'000 x 1'720 x 3'080 mm (157.5 x 67.7 x 121.3 inch)	3'400 kgs 7'495 lbs
JetScreen! LT 31/15	3'100 x 1'500 mm (122.1 x 59.1 inch)	3'100 x 1'440 mm (122.1 x 56.7 inch)	4'800 x 1'715 x 2'775 mm (189.0 x 67.5 x 109.3 inch)	3'500 kgs 7'716 lbs
JetScreen! LT 36/22	3'600 x 2'200 mm (141.7 x 86.6 inch)	3'600 x 2'140 mm (141.7 x 84.3 inch)	5'300 x 1'720 x 3'480 mm (208.7 x 67.7 x 137.0 inch)	3'700 kgs 8'157 lbs
JetScreen! LT 41/27	4'100 x 2'700 mm (161.4 x 106.3 inch)	4'100 x 2'640 mm (161.4 x 103.9 inch)	6'000 x 1'720 x 3'880 mm (236.2 x 67.7 x 152.8 inch)	4'500 kgs 9'920 lbs
JetScreen! LT 47/32	4'700 x 3'200 mm (185.0 x 126.0 inch)	4'700 x 3'140 mm (185.0 x 123.6 inch)	6'400 x 1'720 x 4'480 mm (252.0 x 67.7 x 176.4 inch)	5'300 kgs 11'684 lbs
JetScreen! LT 55/32	5'500 x 3'200 mm (216.5 x 126.0 inch)	5'500 x 3'140 mm (216.5 x 123.6 inch)	7'200 x 1'720 x 4'480 mm (283.5 x 67.7 x 176.4 inch)	6'000 kgs 13'227 lbs

Larger formats on request

General Information of the JetScreen! LT

Feature	Specification
Min. frame size	Automatic: 400 x 300 mm (15.7 x 11.8 inch) Manually: 400 x 400 mm (15.7 x 15.7 inch)
Masterframe	Upon request
Integration in an automatic inline system	Upon request
Trioptic! resolution	635 / 1'270 / 2'540 dpi
Resolution optional	5'080 dpi
Laser diode type	UV, 405 nm
Number of laser diodes	64 / 80 / 96 / 112 / 128
Power supply	3 x 400 V + N + PE, 50 – 60 Hz, 32 A
Air supply	6 – 10 bar, 40 l/min.
Power consumption	2 kW
Ambient conditions	50 – 65% humidity at 18 – 25°C (64.4 – 77 ° F)
Room conditions	yellow light, vibration-free floor

High-Performance Equipment Meeting Your Particular Needs

Lüscher Trioptic!-System

Depending on the specific quality requirements, the desired resolution can be selected at the touch of a button. Be it 635, 1'270 or 2'540 dpi: the resolution is directly related to the output performance, thus JetScreen! LT always operates in an optimal quality and speed range. As an option, some JetScreen! LT types are available with a resolution of up to 5'080 dpi.

UV Laser Diode Technology

The fibre-coupled laser diodes operate in the 405 nm range and are characterised by an ultra-long service life of +20'000 exposing hours. They are completely maintenance-free, no need for active cooling system.

High Performance Reserves

The laser diodes have a high-power capacity, so their energy can be adapted to the requirements of every emulsion. There is no need for high speed CtS emulsions: Any standard emulsion or thick layer can be exposed and cured by JetScreen! LT.

Fully Automatic Calibration

Prior to every exposure, the system checks the default laser diodes settings relating to the emulsion to be exposed and automatically checks and calibrates the laser diode if necessary. This guarantees consistent screen quality and eliminates exposure errors.



Virtually Maintenance-free

JetScreen! LT does not require any consumables such as MH lamps / UV lamps / LED's or DMD chip. Lüscher maintenance software guides the operator through the simple maintenance tasks and guarantees high reliability. JetScreen! LT is equipped with a port for Remote Support Service, which can be directly linked to our technical support via internet.

Lowest Energy Consumption

Lüscher's patented laser diode technology ensures minimal power usage of 0.25 kW, reducing costs and providing lower cost of ownership. This promotes environmentally-friendly production for customers.

Inline Processing

As an option, the JetScreen! LT can be integrated in an automatic inline system for example with a loading magazine, developer and unloading magazine.

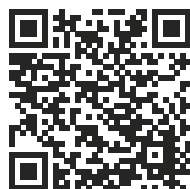
Highest Exposure Quality

The optional X!Tend software pushes past the physical limits of screen printing: X!Tend allows imaging of finer graphic elements compared to any standard imaging technique.



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