

JetScreen! LT round

Direct Exposure System for Rotary Screens



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 round

- ALL STANDARD REPEATS AVAILABLE
- SCREEN EXPOSURE POSSIBLE IN LESS THAN 5 MINUTES
- RESOLUTION OF 1'200 DPI OR 2'400 DPI
- MODULAR DESIGN



Technical Specifications of the JetScreen! LT round

Machine Type	Maximum Screen Length	Machine Dimensions (L x W x H)	Weight
JetScreen! LT round 22	2'200 mm (86.6 inch)	3'980 x 1'110 x 1'280 / 2'000 mm (156.7 x 43.7 x 50.4 / 78.4 inch)	2'000 kgs (4'409 lbs)
JetScreen! LT round 35	3'500 mm (137.8 inch)	5'370 x 1'110 x 1'280 / 2'000 mm (211.4 x 43.7 x 59.4 / 78.7 inch)	2'200 kgs (4'850 lbs)

General Information of the JetScreen! LT round

Feature	Specification
Repeats	640, 725, 820, 914, 1'018 mm
Resolution	1'200 dpi
Resolution optional	2'400 dpi
Laser diode type	UV, 405 nm
Number of laser diodes	16 / 32
Power supply	3 x 400 V + N + P / 50 – 60 Hz / 32 A
Air supply	6 – 10 bar, 150 l/min
Power consumption	0.5 kW
Ambient conditions	50 – 65% humidity at 18 – 25° C (64.4 – 77 ° F)
Room conditions	yellow light, vibration-free floor

Competitive and Economical Direct Exposure System

UV Laser Diode Technology

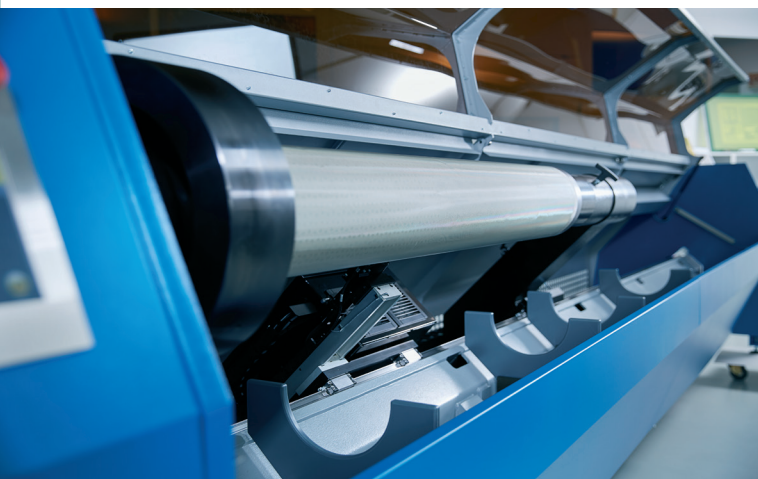
The fibre-optic coupled laser diodes operate in the 405 nm range and boast an ultra-long service life of +20'000 exposing hours. They are completely maintenance-free and do not require any active cooling system.

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 can be exposed and cured by JetScreen ! LT round.

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 quality and eliminates exposure errors.



Virtually Maintenance-free

JetScreen! LT round 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 round 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 unique laser diode technology guarantees extremely low power consumption of 0.5 kW and lowest cost of ownership. This helps the customer to achieve environmental-friendly production.

Modular Design

The direct exposure system is modular and may be tailored to the requirements and special requests of the customer. The standard configuration includes one 1'200 dpi setting head with 16 individually controllable laser diodes.

Screen Exposing in Less Than 5 Minutes

Depending on the laser diode configuration, JetScreen! LT round exposes a screen coated with a standard emulsion, a repeat of 640 mm and a length of 2'200 mm in less than 5 minutes.



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