

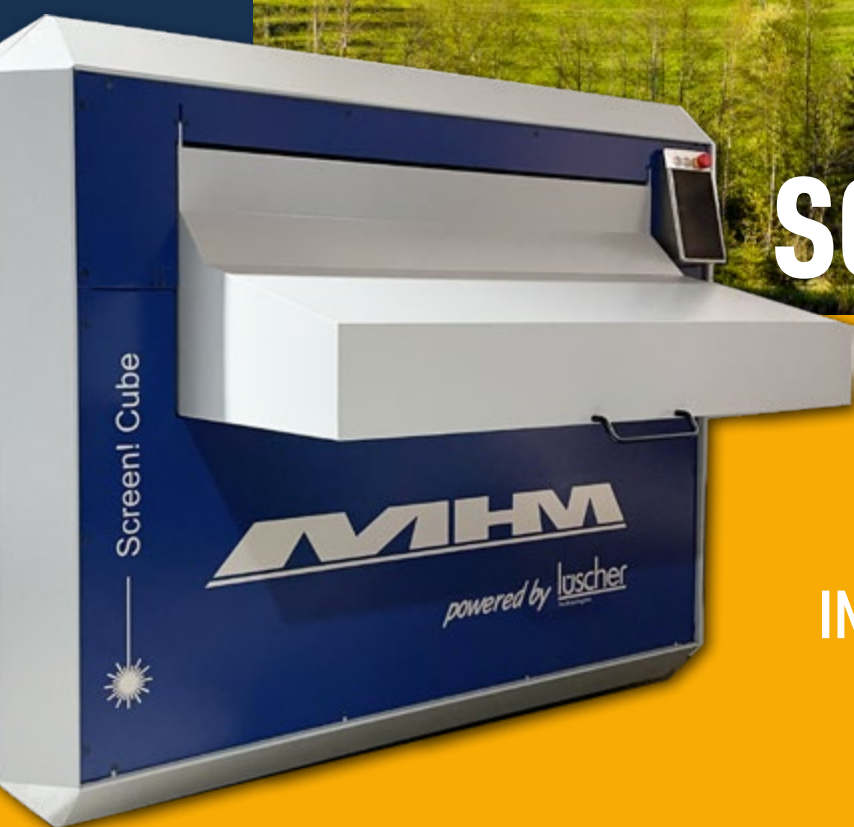


PERFECTION IN SCREENPRINTING

SCREEN MAKING



SCREEN! CUBE



DESIGNED TO MEET
THE HIGHEST DEMANDS
IN TEXTILE SCREEN EXPOSURE

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ULTRA-FAST DIRECT EXPOSING
FOR TEXTILE SCREENS

USER-FRIENDLY OPERATION

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.

MHM PIN REGISTRATION SYSTEM FOR ALL MHM-PRESSES BACK TO 1993

The Screen! Cube features the unique MHM pin positioning system allowing accurate pre-registration of screens.

HIGH PERFORMANCE RESERVES

The laser diodes have a high-power capacity. Screen! Cube can expose and cure any standard emulsion or thick layer, without the need to use high speed CTS emulsions.

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

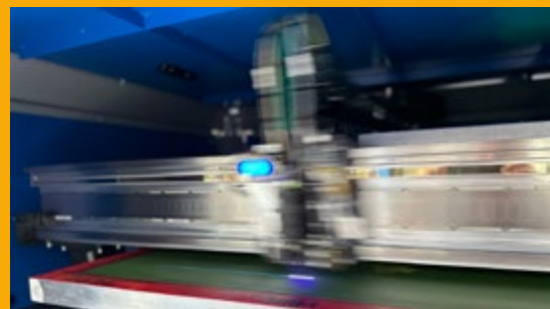
Screen! Cube does not require any consumables such as MH lamps / UV lamps / LED's or DMD chip. Lüscher maintenance software guides the operator through the simple maintenance tasks and guarantees high reliability. Screen! Cube is equipped with a port for Remote Support Service, which can be directly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

LOWEST ENERGY CONSUMPTION

Lüscher's unique laser diode technology guarantees extremely low power consumption of 0.4 kW and lowest cost of ownership. This helps the customer to achieve environmental-friendly production.

DESCRIPTION

Ultra-fast Direct Exposing for Textile Screens: The Screen! Cube revolutionizes the textile industry with its rapid and effective solution for exposing textile screens directly. This cutting-edge technology not only delivers exceptional performance but also offers the flexibility for future upgrades, ensuring that your screen output capacity is always at its peak. Designed with user-friendliness in mind, the Screen! Cube makes handling and operation a breeze. Its intuitive interface and clear instructions enable even novice users to navigate effortlessly. Loading screens has never been easier, thanks to the quick screen loading feature that saves you valuable time. One of the standout features of the Screen! Cube is its eco-friendly laser technology, developed by Lüscher. This innovative technology not only guarantees a seamless and productive user experience but also contributes to a sustainable and greener environment. For precise pre-registration of screens, the Screen! Cube is equipped with a screen clamping system that is compatible with all MHM screen printing machines. This ensures that your screens are accurately aligned, resulting in high-quality prints every time. With easy navigation, intuitive interfaces, and straightforward functionalities, the software enhances the overall user experience.



Our state-of-the-art equipment powered by Lüscher is meticulously crafted to ensure precise and accurate screen exposure, guaranteeing consistent and high-quality results with every use. Whether you are a small-scale textile printer or a large manufacturing facility, our products are designed to meet the demands of any production scale, providing unparalleled efficiency and productivity.

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 SCREEN! CUBE

- highest energy output on screen for all emulsion types including standard diazo-photopolymer (dual-cure) emulsions
- capillary films can also be easily exposed and fully cured
- no consumables such as wax / ink / mh lamps/ uv lamps / led's or dmd chip
- ultra-fast direct exposing for textile screens
- easy to operate, user-friendly and convenient
- special screen pre-reg clamping system for all mhm presses
- optional clamping system for neck label screens



TECHNICAL SPECIFICATIONS OF SCREEN! CUBE

Min. Frame Size (W x D)	Max. Frame Size (W x D)	Weight
530 x 730 mm (21 x 29 inch)	660 x 950 mm (26 x 37 inch)	700 kgs (1543 lbs)

GENERAL INFORMATION OF SCREEN! CUBE

Dimensions	
Machine dimensions (L x W x H)	1'925 x 1'632 x 1'338 mm (75.78 x 64.25 x 52.67 inch)
Resolution	1'270 dpi
Laser type	UV, 405 nm
Number of lasers	32 / 48 / 64 / 96 / 128
Register system	MHM
Power supply	230 V / 50 – 60 Hz / 16 A
Power consumption	0.4 kW
Ambient conditions	50 – 65% humidity at 18 – 25°C (64.4 – 77 ° F)
Room conditions	yellow light, vibration-free floor

EXPOSURE TIME

Laser Type	Number of Lasers	max. exposing time @1200dpi (min) 580 x 780mm (23" x 31")	max. exposing time @1200dpi (min) 660 x 910mm (26" x 36")
405nm	32	4	5
	48	3	3,75
	64	2	2,5
	96	1,5	1,875
	128	1	1,25

**MADE FOR MHM
 IN SWITZERLAND.**





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