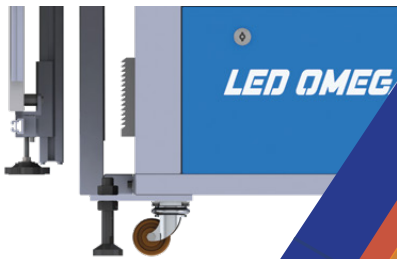


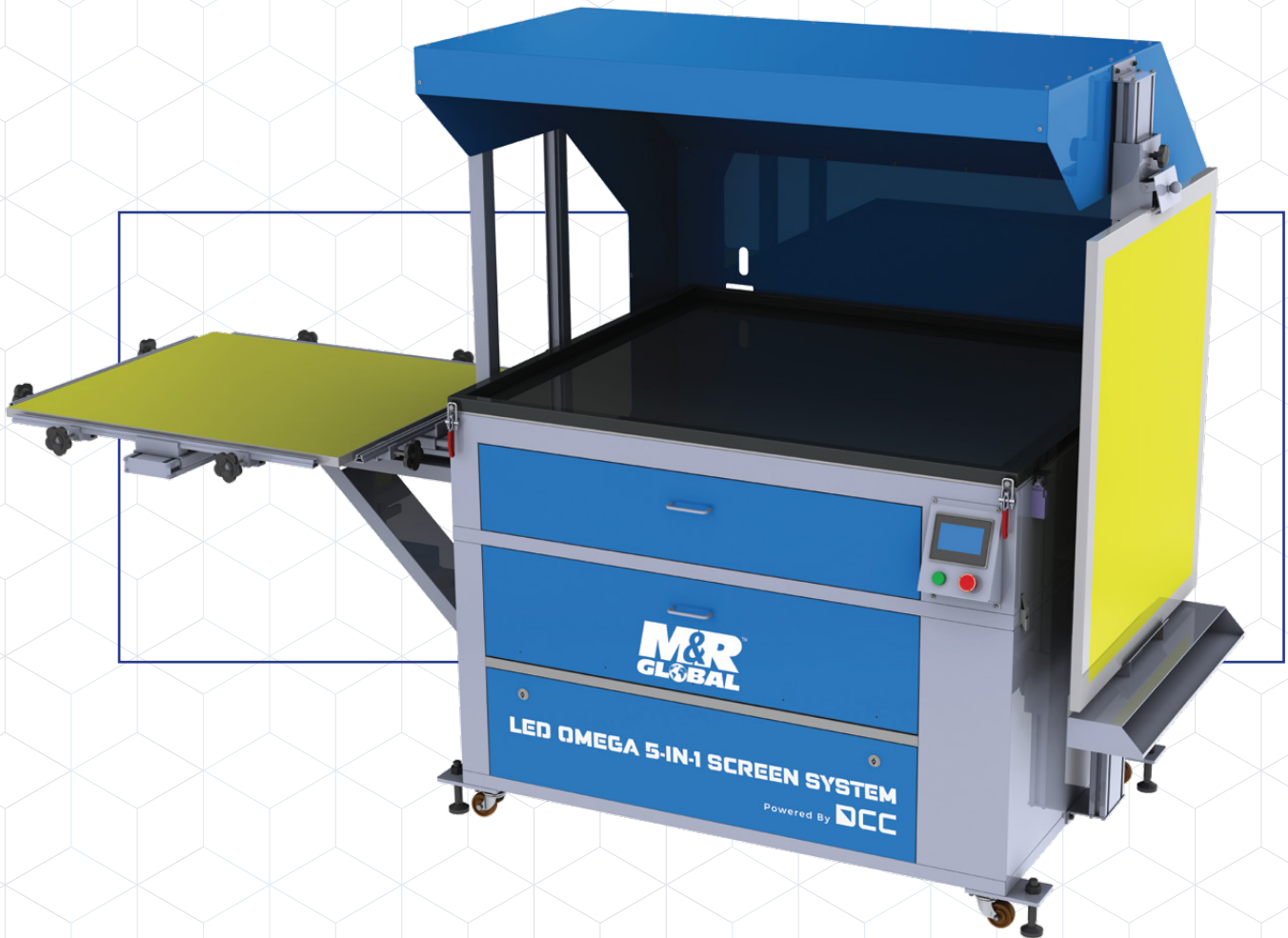
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LED OMEGA 5-IN-1 SCREEN SYSTEM



M&R introduces first time in the world, most compact, space saving and a revolutionary product “LED Omega 5-in-1 Screen System”

It is a perfect and advanced solution for developing high quality screens in-house.

The innovative idea of producing LED Omega 5-in-1 Screen System not only saves space but also saves transport and packing cost. This compact system is mounted on a smooth castor wheel for easy mobility within shop floor.

FEATURES

- Space Saving
- Screen Stretcher/Coater/Dryer/UV LED Exposure System/Inspector
- Single Phase, Plug And Play
- Digital Light Integrator
- Castor Wheel For Easy Mobility
- Highly Stretchable Vacuum Rubber Blanket

STANDARD FEATURES



SCREEN EXPOSURE 600 W

- UV LED Exposure System
- Vacuum Sensor to achieve required Vacuum Pressure
- On-Board Safety to protect against human exposure to UV Lights
- Digital light integrator ensures perfect exposure with consistency and repetition accuracy
- Highly stretchable good quality vacuum rubber blanket makes perfect contact between fabric and positives for quality reproduction delivers finer reproduction details and produces sharp edges
- Gas cylinder for comfortable loading of glass frame

SCREEN DRYER

- 3 screens storage capacity maximises production
- Horizontal screen drying equalises emulsion thickness delivers better Rz value (Smooth flat emulsion)
- Double wall fabrication with thermal insulation to retain heat and minimises power consumption
- Compact low power low noise fans ensures perfect air circulation all over
- High efficiency heaters dry's emulsion faster reduces down time for additional coats
- High quality temperature sensor maintains consistent temperature

SCREEN INSPECTOR

- Uniform light provides conveniency in spot touching and screen inspection
- Screen inspector mounted on guide rails slide in with screen frame,saves time
- Light automatically turns ON when screen inspector pulled out, switches OFF when pushed

MECHANICAL FABRIC STRETCHER WITH TENSION METER

- No expensive air compressors required, no electricity required
- Easy adjustable clamping device stretches min 16" x 16" to max 31" x 40" OD frames
- Quick fabric locking for faster setup
- 8 adjustable stretching knobs enables to maintain proper tension on wrap and weft
- Foldable device for better space management
- Tension meter helps to stretch fabrics to its optimum

EMULSION COATING STAND WITH TROUGH

- Unique spring loaded clamp holds screen firmly to avoid shake while coating. Saves on additional person to hold the screen while coating
- Easy adjustable clamping device to suit various screen frame size, helps turn screen faster for coating both sides
- Fully anodised coating trough with superior edge quality, obtains smooth emulsion finish, avoids marks and streaks
- Emulsion coater storage shelf avoids dust and pre-exposure of emulsion

Specification

LED Omega 5-in-1 Screen System	
Screen Frame Size	Min. 41 x 41 cm (16" x 16") OD Max. 78 x 100 cm (31" x 40") OD
Electrical Requirements*	208-230 V, 1 ph, 19 A to 23.5 A, 50 Hz, 4.3 kW 208-230V, 1 ph, 18 A to 22.5 A, 60 Hz, 4.1 kW
Screen Frame Thickness	2.5 - 3.8 cm (1.0" - 1.5")
	Mechanical Stretcher / Tension Meter
Maximum Tension Permitted	16 to 20 Newtons (Depending On Fabric)
	Emulsion Coating Stand & Trough
Coating Trough Length With 2 End Cover	58 cm (23")
	Screen Dryer
Auto Switch-Off Timer	1 to 30 Mins.
Maximum Heating Capacity	45° C
Power Consumption	2.6 kW
	Screen Exposer
Exposing System	UV LED 600 W
Power Consumption	0.6 kW
Max. Machine Dimensions (L x W x H)	315 x 219 x 186 cm (124" x 86.4" x 73.4")
Total Machine Weight	430 Kg (948 lb)

*Use servo stabilizer to safeguard machine from voltage fluctuation out of main supply

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