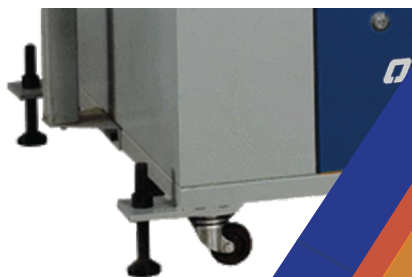


M&RTM
GLOBAL

COPPERHEAD

■ ■ ■ Powered By **DCC**



OMEGA 5-IN-1 SCREEN SYSTEM



M&R introduces first time in the world, most compact, space saving and a revolutionary product “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 Polaris 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
- Metal Halide Lamp
- Screen Stretcher/Coater/Dryer/Exposure/Inspector
- Mirror Finish Reflector
- Single Phase, Plug And Play
- Digital Light Integrator
- Castor Wheel For Easy Mobility
- Highly Stretchable Vacuum Rubber Blanket
- Lamp Hour Meter

STANDARD FEATURES



SCREEN EXPOSURE

- High quality metal halide lamp delivers faster exposure, best for dual cure and photopolymer emulsions
- Mirror finish reflector increases light efficiency
- Digital light integrator ensures perfect exposure with consistency and repetition accuracy
- Top cover to avoid light reflection in darkroom thus avoids pre-exposure if coated screens are stored in the same room
- 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
- Powerful low maintenance vacuum pump for fast production
- 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 digital temperature controller 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 34" 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

Omega 5-in-1 Screen System	
Screen Frame Size	Min. 41 x 41 cm (16" x 16") OD Max. 86 x 100 cm (34" x 40") OD
Electrical Requirements*	208-230 V, 1 ph, 16 A, 50 Hz, 3.8 kW
Screen Frame Thickness (Min. - Max.)	2.5 - 3.8 cm (1.0" - 1.5")
	Mechanical Stretcher / Tension Meter
Maximum Screen Tension	20 N/cm
	Emulsion Coating Stand & Trough
Coating Trough Length	58 cm (23")
	Screen Dryer
Auto Switch-Off Timer	1 to 30 Mins.
Maximum Temperature	45° C
Power Consumption	2.6 kW
	Screen Exposer
Lamp Wattage	1000 W
Power Consumption	1.2 kW
Machine Dimensions (L x W x H)	320 x 137 x 213 cm (126" x 54" x 84")
Total Machine Weight	400 Kg (882 lb)

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

OMEGA 5-IN-1 SCREEN SYSTEM



M&R Printing Equipment, Inc. 440 Medinah Road, Roselle, Illinois 60172-2329 USA
USA: 800-736-6431 / 630-858-6101 • **Outside USA:** +1-847-967-4461 • **FAX:** 630-858-6134