

# **SOLARBEAM** Tri-Metal Halide **Diagonal ScreenMaker**

**Resolution and Durability Guaranteed!**

**FEATURING ~ DUAL AND TRIPLE BALANCED POINT LIGHT SOURCE**

- 1 EZ Load 45° Angle
- 1 30 Channel Light Integrator
- 1 FOCUSED Prismatic Lens
- 1 Point Light Source
- 1 Quality Resolution
- 1 Fast Exposure Times
- 1 Durable Screens
- 1 High Pressure Vacuum
- 1 Deep Draw Blanket
- 1 Heavy Duty Construction
- 1 Nominal Exposure: 15-90 Seconds
- 1 Automatic Vacuum/Exposure
- 1 Dual & Triple Lamp Units



**Looks like a headlight,  
works like the sun!**

"The one and only sealed beam metal halide lamp! Produced for Richmond by GE who "brings good things to life."

**RICHMOND**



**MICRO-PERFECT®**

**RICHMOND**  
Graphic Products, Inc.



**Diagonal Design.** Our VERY BEST, top of the line, high output SOLARBEAM Diagonal ScreenMakers are built for the high to very high volume screen printing shops that work with larger, heavier frames. The 45° angle and quick release lock and load clamps allow for easy frame loading and unloading and a tight vacuum seal.

**Fast Exposure.** The new SOLARBEAM ScreenMakers are fast. Screen mesh color, mesh count, emulsion and film thickness will all influence exposure time. However, for guideline purposes, nominal exposure times under ordinary conditions will be less than fifteen seconds to two minutes.

**Automatic Vacuum and Exposure.** When the start button is activated, the vacuum system comes on automatically and when a correct vacuum pressure is reached, the exposure lamp comes on automatically. When the exposure is completed, the lamp and vacuum pump are switched "off" automatically. Quick release lock and load clamps are standard.

**Sharp Screens.** The SOLARBEAM sealed beam bulb incorporates a prismatic lens which focuses the total UV output of the lamp in collimation to the emulsion surface. Consequently, light always comes from the same direction throughout the SOLARBEAM exposure. The results are very, very sharp lines and solid half tone dots.

**Viewing Light.** An amber viewing light is standard on all Diagonal ScreenMakers.

**30 Memory Light Integrator.** A fully programmable 30 channel light integrator is built-in insuring absolute repeatability and precise exposures. Up to 30 exposure programs can be stored in the micro processor. For special situations (set up, etc.), an integrator by-pass switch allows you the flexibility to use real time.

**FDA Approved.** The SOLARBEAM Tri-Metal Halide printing lamp is the ONLY metal-halide printing lamp that can claim that it is produced in compliance with FDA regulations. SOLARBEAM represents a significant step forward in UV light emission safety.

**Special Vacuum Blanket.** A textured, UV inhibited, deep draw blanket has fantastic pure gum elasticity. It quickly molds to the screen shape and with high vacuum pressure, provides perfect contact between the glass, film positive and screen emulsion.

**Rotary Shutter.** A rotary shutter is standard on all Diagonal ScreenMakers. The shutter delivers instant power resulting in shorter exposure time and higher resolution screens. The lamps idle at only 400 watts.

**More For Your Money.** The SOLARBEAM ScreenMakers are the only high quality, complete, multiple point light source metal halide exposure systems available. State of the art, computer balanced, SOLARBEAM tri-metal halide lamps make quality resolution screens faster at less cost than any other exposure systems produced. Period!

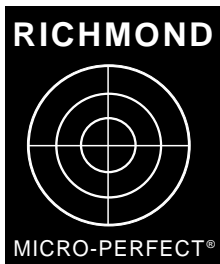
	<b>SCREENMAKERS</b>	<b>Screen Max. O.D.</b>	<b>Ship Weight</b>	<b>Electrical Info</b>
<b>VERY BEST!!!</b>	DSM 7000*	43" x 62" / 109cm x 158cm	1050 lbs.	208/220V - 25 amps
	DSM 10000**	54" x 74" / 138cm x 188cm	1150 lbs.	208/220V - 40 amps
	DSM 10000**	60" x 74" / 152cm x 188cm	1300 lbs.	208/220V - 40 amps
	DSM 15000***	74"x 96" / 188 cm x 244cm	1600 lbs.	208/220V - 60 amps
	DSM 15000***	82" x 154" / 210cm x 390cm	3000 lbs.	208/220V - 60 amps

\* Single Shuttered Lamp - standard \*\*Dual Shuttered Lamps - standard \*\*\* Three Shuttered Lamps - standard  
All Diagonal ScreenMakers are single phase electrical - available in both 50/60 Hz.

Our Solarbeam ScreenMakers are the industry's leading, high quality exposure systems. Our "VERY BEST," top of the line Diagonal ScreenMakers offer the same uncompromising quality as their horizontal plane counterparts, however, they are built for high production screen shops with the exposing surface on a 45 degree angle for easy loading and unloading of large or multiple screens. All models are equipped with shuttered lamps for instant power and shorter exposure times and idle at only 400 watts!

**1 YEAR WARRANTY:**

All equipment is warranted for one year provided the appropriate registration cards are completed and returned within ten (10) days of installation, and the defect has not been caused by misuse of the equipment. Except for such replacement, the sale of subsequent handling is without warranty or other liability of any kind. Glass is not under warranty. Bulbs are pro-rated on a 6 month basis. Blankets are pro-rated for 1 year. Light integrators are warranted for 1 year. This warranty provides that all defective parts will be replaced at no charge for 1 year. Labor charges, if any, will be solely at the discretion of the Richmond service department or an authorized Richmond distributor.



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