

Project No Limits

SCREENS FOR EVERY EVENT



CUSTOM

PORTABLE

SCENIC

ACCESSORIES

RENTALS

THE
SCREEN
WORKS
★★★★★★★★

FRONT AND REAR
PROJECTION
SCREENS TO FIT
ANY EVENT, FROM
CUSTOM SIZES AND
SHAPES TO E-Z FOLD®



Project Supreme Confidence



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Custom

Custom Sizes and Surfaces Built to Your Specification

Since 1959, The Screen Works® has manufactured quality projection screens to serve a diverse client base.

Custom screen designs and specialty fabrication are a familiar part of our day-to-day business.

The Screen Works has the experience needed to deliver product solutions that fit the requirements of specific and unique projects.

- Curved screens
- Geometric shapes
- Specialty sizes
- Multi-sided configurations
- Expert consultation
- Quality fabrication



We have designed and manufactured screens of almost every imaginable size and shape, including arcs, waves, circles, ovals, triangles, and 3-D theater-in-the-round screens like the one shown to the left.

Lace and Grommet Surfaces

Widescreen surfaces are ideal for use with edge-blending technology and accommodate multiple display sources for projecting graphics, HD, video, I-Mag or scenic backgrounds. Lace and grommet solutions are perfect for permanent or large venue screen applications.

- Offered in multiple sizes, formats and surfaces
- Specialty fabric screens, including 3-D, scrims, spandex and perforated surfaces upon request
- Cases available for surfaces
- Black or White sewn binding available in 2" (5cm), 3" (8cm), 4" (10cm), and 6" (15cm)
- Welded 3" (8cm) Black, White or Gray binding and welded grommets
- Groundcloths optional

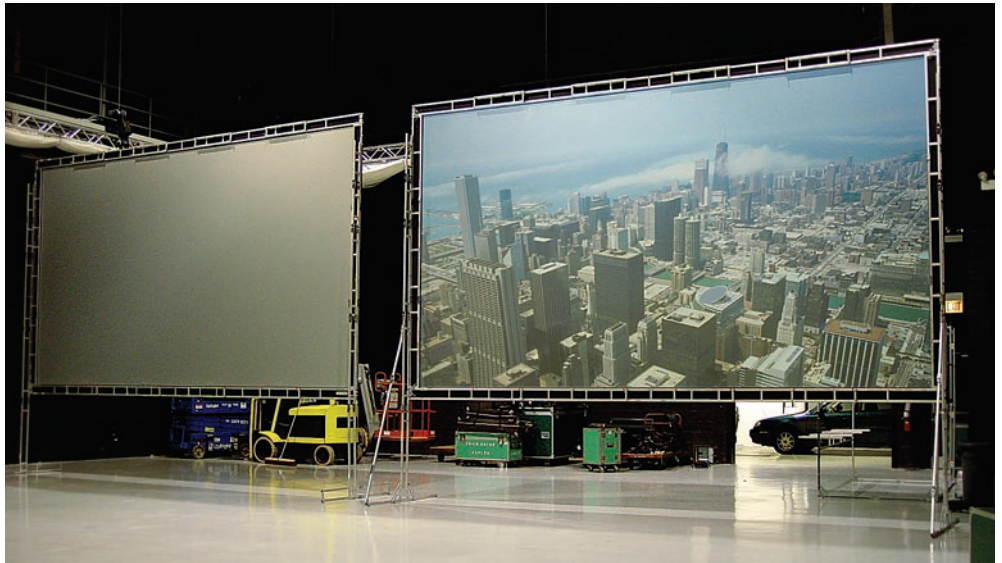


Photo by Ermindo Armino for www.jacot.nl

Portable

E-Z Fold® 6" Truss Frame Screens

The Screen Works 6" (15cm) truss frame screen provides greater strength and durability to withstand the rigors of heavy, repeated usage by show professionals. Six-inch truss frame screens come with front and rear projection surfaces. Velour Dress Kits are available for a finished, professional appearance.



- 6" (15cm) Welded Truss heavy-duty construction, light-weight portability
- No tools assembly provides quick, easy set-up and strike
- Frames color-coded for easy assembly
- Frame height adjustable in 6" (15cm) increments
- Truss frames over 25' (762cm) wide feature 6" support truss
- Box Truss Frames available for "Fly Only" screens
- Truss Frame Braces on most models
- Molded cases with wheels

Flexible, flame retardant snap-on surfaces with 6" (15cm) binding are available in a variety of projection surface materials.

Stager's Choice

Stager's Choice is a unique screen that combines the strength and durability of a 6" (15cm) truss frame with the convenient folding design of the 1" (2.5cm) square tube frame. The one piece frame with horizontal truss and single tube verticals, allows for fast and easy no tools assembly. The braced 6" (15cm) truss legs insure strength and stability. The Velour dress kits add a finished professional touch.

- 6" (15cm) welded truss and single-tube anodized aluminum construction
- No tools assembly provides quick, easy set-up and strike
- Frames color-coded for easy assembly
- Frame height adjustable in 6" (15cm) increments
- Screens pack into molded case with wheels



Portable

E-Z Fold® and E-Z Fold® II Single-tube Screen

E-Z Fold® single-tube screens by The Screen Works have long been a favorite among rental and staging professionals, in-house A/V providers and mobile presenters.

Lightweight and portable, E-Z Fold® screens are easy to set-up and strike with no tools assembly. The industry compatible E-Z Fold® II screens will interface with most competitive models. E-Z Fold® and E-Z Fold® II screens come with front or rear projection surfaces. Velour Dress kits are available for a finished, professional appearance.

- Lightweight 1" (2.5cm) square anodized aluminum folding frames and legs
- No tools assembly provides quick, easy set-up and strike
- Frames color-coded for easy assembly
- Frame height adjustable in 6" (15cm) increments
- Screens pack into rugged black poly case with wheels
- Braced and Heavy-Duty Truss legs available



E-Z Fold® Ratio Specific (RS) Single-tube Screen

The RS single-tube screen provides rental and staging professionals, in-house A/V providers and mobile presenters an accurate net viewing area in both front and rear projection. All surfaces have square corners so no information can get lost and viewers see an actual aspect ratio.

Like all E-Z Fold® screens, the RS style is easy to set-up with no tools assembly. Velour Dress kits are available for a finished professional appearance.



Leg Options

Single Tube Leg Styles

T-LEG

Available on all single-tube EZ-Fold® Screens.



T-LEG WITH LEG BRACE

Highly recommended for use on E-Z Fold® Screens when dress kits are used. Attaches to back of leg and foot with crankbolts.



A-T LEG

Highly recommended for use on Industry Compatible E-Z Fold® II Screens when dress kits are used. Attaches to back of leg with crankbolt and is hinged to back foot.



Truss Leg Styles

TRUSS LEG WITH 6" TRUSS FOOT

For use with all E-Z Fold® single tube screens when used above 4' and 6" Truss Frame screens. Truss foot provides extra strength and support.



EURO TRUSS LEG WITH A-T LEG BRACE

For use with all E-Z Fold® single tube screens when used above 4' and 6" Truss Frame screens.



Scenic

Dress Kits



Dress kits made from 16-ounce flame retardant cotton Velour provide a professional stage appearance as well as hide equipment used for rear projection. The drape is finished in 2" (5cm) box pleats and available in black, blue, gray and burgundy colors. Standard skirts are 48" high and can be ordered longer. As with the frame, the Dress kit has no tools assembly.

HARDWARE

- 2 – 36" (91cm) leg drape bars
- 1 – Valance bar with brackets

DRAPERY

- 1 – 12" (30cm) high valance
- 2 – 36" (91cm) wide leg drapes
- 1 – 48" (122cm) high skirt

OPTIONS

- Rugged black poly case
- Skirt bar to change screen size and formats

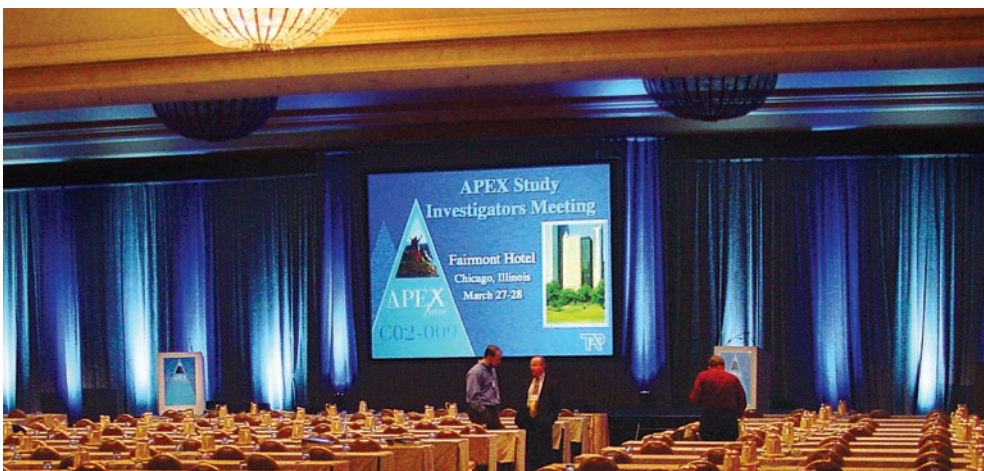
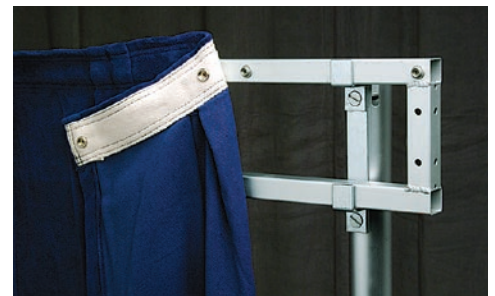


Pipe and Drape Systems can extend the dress kit on any projection screen, divide a room and block light from windows and entry ways. Made from plush flame retardant 16-ounce Velour fabric, drapes come in flat panels with pipe pockets or with box pleats. Conventional pipe and drape hardware or the unique truss hardware is available with no tools assembly.

Pipe and Drape: The Truss Drapery System

This truss drapery system is a smart looking alternative to standard pipe & drape. Ideal for rental and staging professionals and set designers.

- Simple no tools set-up.
- Box pleated 16 oz Velour drapes snap to 6" (15cm) truss bars
- Truss bar widths 6' (183cm) and 12' (366cm)
- Drape height 12' (366cm) and 16' (488cm)
- Drape width 6' (183cm)
- Truss bars slide into truss brackets mounted on standard uprights
- Velour flame retardant drapes in Black, Blue and Gray
- Drapes match dress kits
- Custom designs available



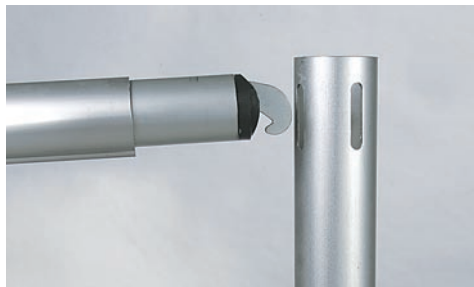
Also see our Multi-purpose pipe and drape system, next page

Scenic

Pipe and Drape: The Multi-purpose Pipe & Drape System

Our multi-purpose pipe & drape is an excellent system for trade show booths, portable dressing rooms, space dividers and extension of drape kits for wide venues.

- Quick no tools assembly
- Velour flame retardant drapes have pipe pockets for easy attachment
- Drape available in Black, Blue and Gray
- Multi-heights and widths for many design variations
- Multiple base weights and sizes
- Custom configurations available



Also see our *Truss Drapery*
pipe and drape system, previous page

E-Z Fold® Tech Surround

The E-Z Fold® Tech Surround is the professional method to conceal show control systems, audio and lighting boards, extra gear and cases. Lightweight aluminum folding frames and legs are height-adjustable and covered with pleated 16-ounce velour snap-on drapes or lightweight velaire fabric. E-Z Fold® Tech Surround Kits are a versatile product and can be joined to create wider control areas and dressing rooms for fashion events.



TECH SURROUND KIT

- 2 – 3' – 6' (91-183cm) adjustable folding frame and legs
- 1 – Connecting brace for 90 degree return
- 2 – 6' x 6' (183 x 183cm) 16-ounce Velour or Velaire drapes
- 1 – Rugged molded case with wheels

SPECIFICATIONS

- Case: 57" x 21" x 9" (145 x 53 x 23cm)
- Shipping Weight: 45 Pounds (20.5 kilograms)
- Custom models upon request

- Lightweight 1" aluminum tube construction
- No tools assembly for quick easy set-up and strike
- Frames color-coded for easy assembly
- Frames are height-adjustable in 6" (15cm) increments
- Frames and legs fold for compact portability
- Pleated Velour or Velaire drapes attach to frame with Velcro or snaps
- Drapery available in Black, Blue, Grey



Scenic

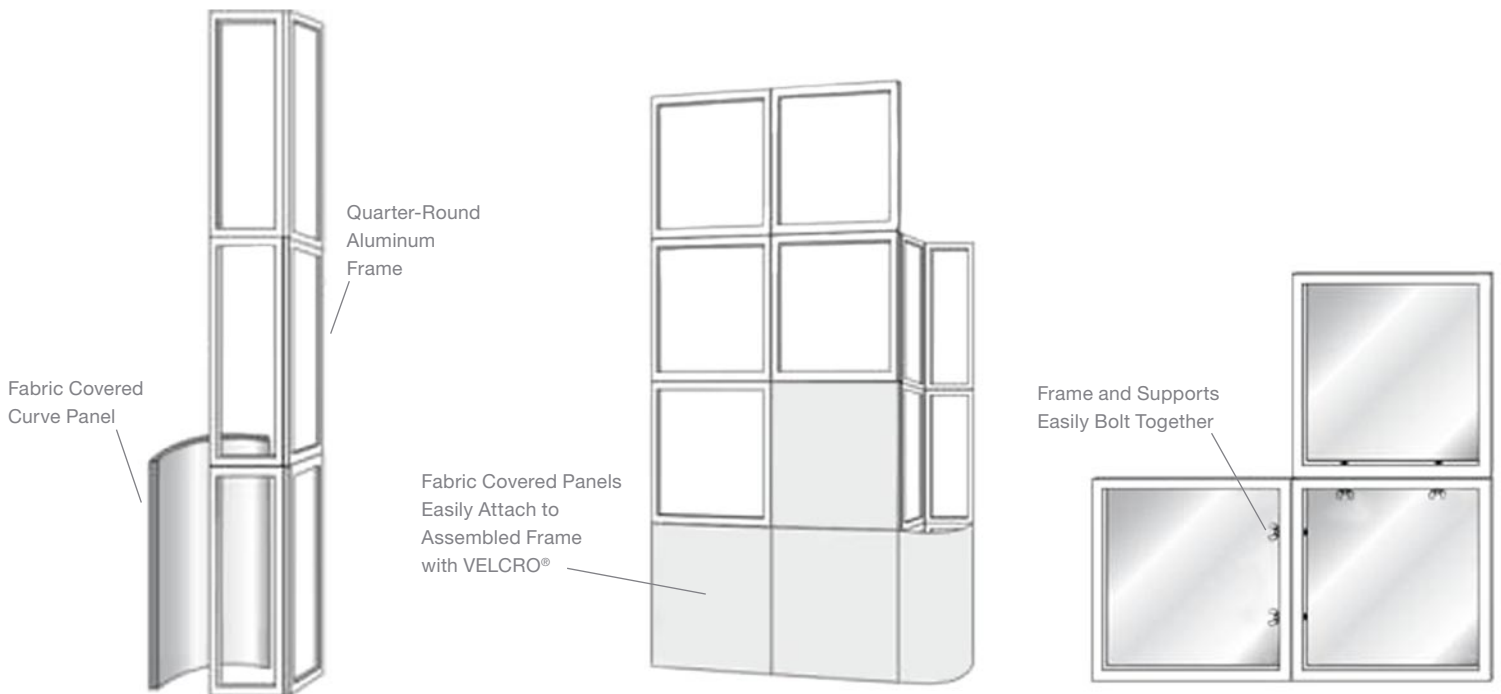
Atlantis Scenic System

The Atlantis Scenic System is an affordable alternative to pipe and drapery. The base system includes gentle curves and glass blockwalls to add depth and dimension. Like a chameleon, lighting effects can dramatically change the appearance of the base set from a conservative business look to the elegance of an evening banquet.

Atlantis Scenic modular components fully integrate with our E-Z Fold® projection screens. Constructed from the same lightweight 1" tubing used to manufacture E-Z Fold® screens, each compatible aluminum section locks together with a convenient bolt and wing nut assembly.

Fabric panels attach to the assembled framework so VELCRO® signage, logos, and decorative elements can be affixed to the facade.

The modular design of the Atlantis Scenic System is completely expandable! Integrated components accommodate any number of single or multiple screen configurations, entranceways, and stage widths. Versatile and adaptable—virtually any meeting venue can easily be transformed into a professionally staged environment.





Design a variety of scenic looks with curved sections and flat wall components to achieve an extravagant look at a conservative price. Create custom designs or choose from a complete selection of Atlantis rental inventory.

Suitable for small stages or large venues, Atlantis Scenic expands for the requirements of the event with sets reaching more than 18' high, and extending to virtually any width.

Fabrics are available in a complete spectrum of colors, including:

- Black
- Platinum Gray
- Blue

Accessories

Equipment Tower



- Lightweight 1" square welded anodized aluminum construction
- No tools assembly for quick easy set- up and strike

- Two strong wooden shelves
- Frames color-coded for easy assembly
- Pleated Velaire skirts in Black, Blue and Gray attach with Velcro

This compact, folding tower is ideal for holding projectors, speakers, monitors and other A/V equipment. A good, lightweight alternative to scaffolding, the Tower is ideal for breakout rooms, in-house presentations and various rental and staging applications. This versatile portable product, capable of holding over 200 pounds of equipment features no tools assembly.

EQUIPMENT TOWER KIT INCLUDES

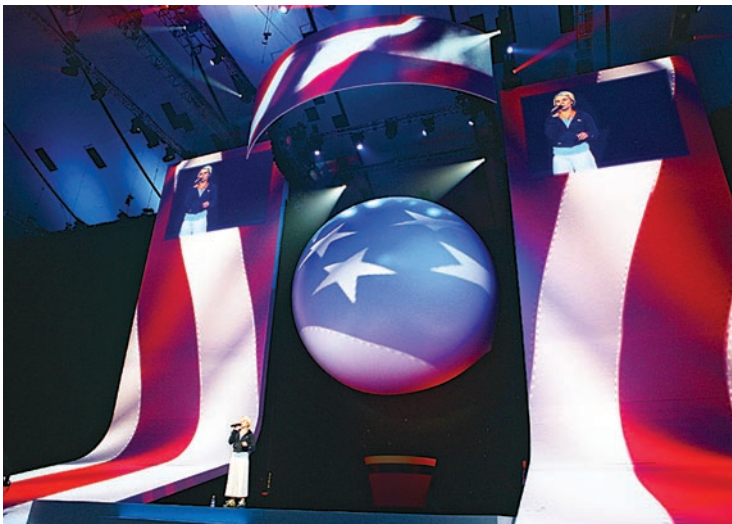
- 2 – Folding 72" x 36" (183 x 91cm) sections
- 2 – Folding 72" x 27" (183 x 69cm) sections
- 2 – Sturdy wood shelves
- 1 – Pleated Velaire skirt
- 1 – Rugged black poly case with wheels

SPECIFICATIONS

- Assembled Tower measures 72"H x 27.75" W x 36"D (183 x 70 x 91cm)
- Weight capacity is 250 pounds (113 kilograms)
- Case dimensions 38" x 38" x 12" (97 x 97 x 36cm)
- Shipping weight 86 Pounds (39 kilograms)
- Custom models upon request



Inspiration: Our Screens at Work



Whether you know exactly how you want your event to look — or you want to explore some creative options — The Screen Works has the creative eye and design experience to build projection screens that know no limits.

Rental & Repair

The Screen Works[®] Rental Department

The Screen Works has one of the largest known rental inventories and continually expands their stock to meet increasing demand for widescreen and HDTV sizes

In addition to the existing stock of over 1400 front and rear projection screens, The Screen Works rental inventory now includes HDTV sizes from 6' x 10'-7" up to 22.5' x 40'. For Edge-Blending and Multi-Image applications sizes from 5' x 15' to 20' x 60' are available. Larger sizes will be lace and grommet surfaces only.

The Screen Works also offers trim kits and drape rentals.



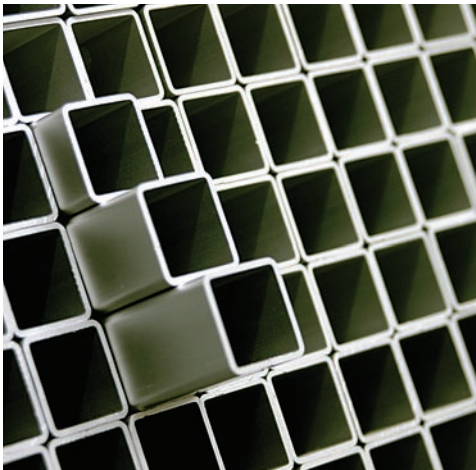
The Screen Works® Repair Department

Our Repair Department offers expert service for E-Z Fold® screens and most competitive brands of folding, portable projection screens.

Complete and thorough cleaning of flexible front and rear projection surfaces and button or snap repair is available. Surfaces that are beyond repair may be cut down to the next usable size.

Our repair department can refurbish aluminum frames and legs with new hardware including hinges, locks, corner braces, button studs and stripped and worn-out rivnuts to extend the life of the screen.

The Screen Works repair department can also replace damaged frame and leg sections to help maintain your screen's longevity. An itemized estimate is provided before any work is started.



Screen Selection

Factors to Consider

To optimize image quality, make the most effective presentation, and choose the right screen for your needs, you will need to consider two major criteria:

- Size of audience or seating area
- The proper format to be used

AUDIENCE AREA

Make the screen as large as necessary for those seated in back of the room to view text, data and images without overpowering those seated in the front. Optimum seating arrangements put the first seating row two screen heights from the projection screen.

SCREEN HEIGHT

The following calculations help determine screen height for maximum legibility. If you are using a Video Format screen (4:3 ratio), screen height needs to be $\frac{1}{6}$ (one sixth) the distance from the screen to the furthest seats for most large venue applications. For smaller venues such as conference rooms or classrooms, a formula of $\frac{1}{4}$ (one quarter) the distance from the projection screen to the furthest seat away. For HDTV format projection screens, the formula recommended for height calculation is $\frac{1}{3}$ (one third) the distance from projection screen to the furthest seat in the house or room.

SCREEN WIDTH

This is a simple calculation when you know the height of your screen. For Video Format sizes multiply the height by 1.33. For HDTV Format sizes, simply multiply the height by 1.78.

CEILING HEIGHT

Standard viewing height of most screens is 48" off the floor. This is also referred to as Sill Height. This is applicable where the seating area and projection screen are on the same level and the seating area is limited to several rows.

Because E-Z Fold® screens are adjustable in height in 6" (six inch) increments, height can be increased, but the room height might be a limitation.

Please check room dimensions before selecting screen size to prevent low screen height and limited viewing access.

CUSTOM SCREEN CALCULATIONS

The following formulas will assist you in calculating custom screen sizes, by NET VIEWING AREA only, in the video format desired.

NTSC/Video 1:1.33	Diagonal	÷	1.667	=	Height
	Height	×	1.33	=	Width
	Width	÷	1.33	=	Height
	Height	×	1.667	=	Diagonal

HDTV 1:1.78	Diagonal	×	0.49091	=	Height
	Diagonal	×	0.87247	=	Width
	Height	×	2.0395	=	Diagonal
	Width	×	1.14585	=	Diagonal
	Height	×	1.78	=	Width
	Width	×	0.561837	=	Height

Widescreen 1:1.85	Diagonal	×	0.4762	=	Height
	Diagonal	×	0.8800	=	Width
	Height	×	2.100	=	Diagonal
	Width	×	1.135	=	Diagonal
	Height	×	1.85	=	Width
	Width	×	0.5405	=	Height

PROJECTION SURFACES

After screen size and format have been determined, surface selection for optimal image quality and viewing angle is important.

Please review the screen surface material information on the following pages to determine which surface will best suit your application or need.

In the case of multiple usages, choose the surface that will fulfill the least critical of your projection needs. This may be determined by the projector's lumens output. If, for example, you will be using a medium output projector (under 1000 lumens) and a higher output projector (over 1000 lumens), choose the surface that will work with the lower output projector.

Screen Selection

Surfaces

Our projection screens are all available in a variety of screen surface materials including:

- **Matte White**
- **Matte White Blackout**
- **Matte Brite®**
- **Rear Projection**
- **2-VU**

All surface materials are foldable, washable and available with snaps or grommets.

MATTE WHITE FRONT PROJECTION SURFACE

- Gain .88 at 45° off center

Matte White is the best all-purpose surface material and for use in wide seating venues and/or short focal lengths. Matte White evenly distributes projected light over a wide viewing angle. Colors remain bright with no shifts in hue.

MATTE BRITE® FRONT PROJECTION SURFACE

- Gain 1.4 at 45° off center

Matte Brite® is recommended for use when ambient light is a concern. This surface is designed to offer the best combination of gain & viewing angle for optimal image quality.

2-VU — FRONT OR REAR PROJECTION SURFACE

- Gain .83 at 45° off center

A versatile surface material, 2-Vu provides front OR rear projection capability and eliminates the need for changing surfaces to accommodate varying projection methods. Under controlled lighting condition the material provides a wide viewing angle and crisp images.

MATTE WHITE BLACKOUT FRONT PROJECTION SURFACE

- Gain 1.24 at 45° off center

Black vinyl laminated on the back side of this material eliminates the need for a blackout surface. Greater opacity and image quality in high ambient light conditions with no backlight interference.

REAR PROJECTION SURFACE

- Gain 1.8 at 45° off center

Rear Projection surfaces provide excellent color rendition, image contrast, registration, and a wide viewing angle. Rear Projection is a translucent, neutral gray vinyl rear projection surface material offering high transmission and low reflectance values.

Formats and ratios

HDTV

1:1.78

O.D. h x w	cm	Net area	Net cm
4' 8" x 7' 9"	142 x 236	4' x 7' 1"	122 x 216
5' 2" x 8' 8"	158 x 264	4' 6" x 8'	137 x 244
5' 8" x 9' 6"	173 x 290	5' x 8' 10"	152 x 269
6' 8" x 11' 3"	203 x 343	6' x 10' 7"	183 x 323
8' 2" x 13' 11"	249 x 424	7' 6" x 13'	229 x 396
8' 6" x 14' T	259 x 427	7' 6" x 13' T	229 x 396
8' 6" x 14' SC	259 x 427	7' 6" x 13' SC	229 x 396
10' x 17' T	305 x 518	9' x 16' T	274 x 488
11.6' x 19.6' T	351 x 594	10' 6" x 18' 6" T	320 x 564
12' 3" x 21'	373 x 649	11' 3" x 20'	343 x 609
13' x 22' 3" T	396 x 678	12' x 21' 3" T	366 x 648
14' 6" x 25'	441 x 761	13' 6" x 24'	411 x 731
16' x 27' 6" T	488 x 838	15' x 26' 6" T	457 x 808

Multi-Image

3:1

6' x 16' T	183 x 488	5' x 15' T	152 x 457
6' x 16' SC	183 x 488	5' x 15' SC	152 x 457
7' x 19' T	213 x 579	6' x 18' T	183 x 549
7' x 19' SC	213 x 579	6' x 18' SC	183 x 549
8' x 22' T	244 x 670	7' x 21' T	213 x 640
8' x 22' SC	244 x 670	7' x 21' SC	213 x 640
9' x 25' T	274 x 762	8' x 24' T	244 x 732
10' x 28' T	305 x 853	9' x 27' T	274 x 823
11' x 31' T	335 x 945	10' x 30' T	305 x 914

NTSC/Video

1:1.33

O.D. h x w	cm	Net area	Net cm
4' 6" x 6' 2"	137 x 188	4' 2" x 5' 10"	127 x 178
5' 3" x 7'	160 x 213	4' 11" x 6' 8"	150 x 203
5' 6" x 7' SC	168 x 213	4' 6" x 6'	137 x 183
6' x 8'	183 x 244	5' 8" x 7' 8"	173 x 234
6' x 8' SC	183 x 244	5' x 7' SC	152 x 213
7' x 9' T	213 x 274	6' x 8' T	183 x 244
7' x 9' SC	213 x 274	6' x 8' SC	183 x 244
7' 6" x 10'	229 x 305	7' 2" x 9' 8"	218 x 294
8' 6" x 11' T	259 x 335	7' 6" x 10' T	229 x 305
8' 6" x 11' SC	259 x 335	7' 6" x 10' SC	229 x 305
9' x 12'	274 x 366	8' 8" x 11' 8"	264 x 356
10' x 13' T	305 x 396	9' x 12' T	274 x 366
10' x 13' SC	305 x 396	9' x 12' SC	274 x 366
10' 6" x 14'	320 x 427	10' 2" x 13' 8"	310 x 417
11' 6" x 15' T	351 x 457	10' 6" x 14' T	320 x 427
13' x 17' T	396 x 518	12' x 16' T	366 x 488
16' x 21' T	488 x 640	15' x 20' T	457 x 610
19' x 25' T	579 x 762	18' x 24' T	549 x 732

LEGEND

T = Truss Style Frame: Full 6" Truss Frame

SC = Stager's Choice: FOLDING Truss Style Frame
6" truss top/bottom — single tube sides

Note: Square and A/V Formats also available.

Quality & Innovation



The Screen Works — Global Headquarters

Established in 1959. Today The Screen Works is the global leader in designing and manufacturing custom projection screens, as well as sales, rental, and service of the acclaimed line of E-Z Fold® portable projection screens and presentation accessory products.

The Screen Works, Global Headquarters

2201 W. Fulton Street

Chicago, IL 60612

U.S.A.

Toll 800 294 8111

P 312 243 8265

F 312 243 8290

E screens@thescreenworks.com

W thescreenworks.com