Revolutionary Projection Screen Technologies

# MOCOM
# CURVED PROJECTION SCREENS

For Simulator,
Visualization & Training System

MOCOM
www.mocomscreens.com

## Mocom Screens for Your Immersive Experience

The technicians at Mocom have several decades of experience in the area of screen manufacturing. Mocom's curved screen is a customized product that is made-to-order for each customer.

For Mocom's curved screen, a unique material is applied to the frame that is specially manufactured to ensure that the screen has no creases and high smoothness. Any degree and shape of the screens are available for single or multi-projector displays. All Mocom curved screens are available in a design format that allows assembly on site.

● Gives a sense of immersion ● For visualization applications ● For multi-channel simulation displays

## Front Projection



### White Brilliance

White Brilliance material is a screen to which a 1 gain material is applied, and it is appropriate for multi-projections. Thanks to the excellent flat quality of the material, the screen has no creases in all radii and when viewed from all angles.



### Mega Brilliance

Mega Brilliance is a high gain film-based front projection screen made with multi-reflective layers of material and diffusers. It offers a brightness level 7x higher than a standard matte white screen, while maintaining a wide viewing area. It is suitable for commercial applications with ambient light.



### Silver Brilliance (3D)

Silver Brilliance is a 2.5-gain flexible front projection screen material designed for 3D applications. It preserves high polarization to enable passive 3D image viewing. It also compensates for the loss in image brightness that occurs when polarization and polarized glasses are used.
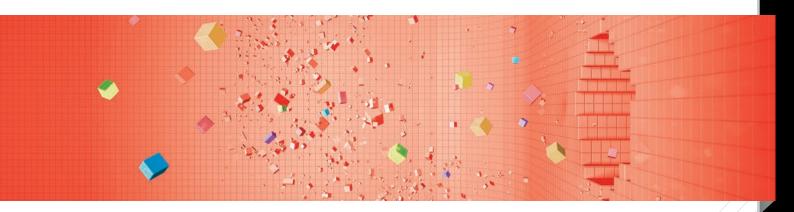
## Rear Projection



### RearHard (3D)

"RearHard" is an acylic-based rigid screen for rear projection screen. This material is suitable for both 2D and 3D application. The dark bluish-grey color of the material enhances contrast.



### RearSoft

This flexible material is designed for rear projection. The grey surface improves the contrast and rejects the ambient light.
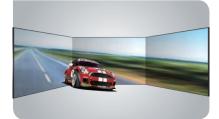
## Excellent for

- Museums, theme parks, galleries  ● Gaming, entertainment  ● Control room
- Training simulators (flight simulators, driving simulators, military simulators...)
- Government projects  ● Education



# Curved (Cylindrical) Screens, Segmented Screens

# FRONT PROJECTION

| Description | | Silver Brilliance | Mega Brilliance | | White Brilliance |
|---|---|---|---|---|---|
| Model | | MH3DC / MHW3DC | HSC / HSWC | HSRC | MMWC |
| Brightness (Gain) | | 2.5 gain | 7 gain | 7 gain | 1 gain |
| Dimension | Height | up to 3,100mm | up to 1,600mm | up to 3,000mm | up to 3,000m |
| | Width | No limit (depending on # of projectors) | | | |
| Material (Color) | | Fabric (Silver) | Film (Silver) | Film(Silver) on the fiberglass | Fabric (White) |
| Seamless | | ‰ | up to 1,600mm | up to 1,600m | ‰ |
| Curvature* | Max. FOV | 120° | 120°  /  180° | 120° | 360° |
| | Min. Radius | 3,000mm | 2,400mm  /  700mm | 1,500mm | 2,400mm |
| Assembly method | | Require assembly on site - Frames are shipped with knocked-down, pre-drilled components | Require assembly on site - Frames are shipped with knocked-down, pre-drilled components | Complete unit (Rigid) | Require assembly on site - Frames are shipped with knocked-down, pre-drilled components |
| 3D Capability | | ‰ | X | X | X |
| Remark | | Floor stand is optional | | | |

# REAR PROJECTION

| Description | | RearHard | RearSoft | |
|---|---|---|---|---|
| Model | | MRHC/MRHWC | MRSC/MRWC | |
| Brightness (Gain) | | 2.5 gain | 3 gain | |
| Dimension | Height | up to 1,150mm | up to 3,100mm | 600mm |
| | Width | No limit ( depending on # of projectors) | | |
| Material (Color) | | PMMA (Bluish Gray) | PVC(Dark gray) | |
| Seamless | | Seamless | Seamless | |
| Curvature* | Max. FOV | C2,400 | 80° | 130° |
| | Min. Radius | 1,500mm | 2,400mm | 1,000mm |
| Assembly method | | Complete unit (Rigid) | Require assembly on site - Frames are shipped with knocked-down, pre-drilled components | |
| 3D capability | | O | X | |
| Remark | | Floor stand is optional | | |

\* MOCOM Curved Projection Screen (Fixed frame) is custom made to order to your exact specifications.
   Custom sizes, FOV, and radii are available.