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Pricing ex Germany + shipping and packaging costs.

Screen-Tech

develops and sells since 1983:

Projection Screens, Optical Mirrors,
Polarising Filter and 3-D Glasses

Content:

[ST-Polarizer](#) polarization filter and 3D glasses

[ST-Mirrors](#) first surface mirror - glass or film

[ST-LAN](#) adhesive front and rear projection films

[ST-HDV](#) front projection screen, 100% acrylic glass

[ST-Pro-X](#) rear projection screen, 100% acrylic glass

[Specifications](#) projection screens

[Contact](#)

ST-Pro-X - 3D rear projection





ST-POLARIZING FILTER

LINEAR POLARISER

ST-38 - LINEAR Polarizing Filter - Polarisation axis 0°/90°

Name	Typ	Dimensions	Depth	Price	Description
ST-38-20 Film 0,2 mm thick	ST-38-20-1010	100 x 100 mm	0,2 mm	8,50 €	Material PVAL film, in 0,2 mm or 0,7 mm thickness. Polarization direction 0°/90° parallel to edge. Linear filter for e.g. lighting technology, optics, 3-D... Cutting by laser, cutter, scissors or punch. Spectral range 380-780 nm. Transmission 42%±2%, crossed <0,01%, parallel 36%±2% UV absorption (380nm) <1,0% Degree of polarization ≥ 99,90%. Temperature stable -30° up to +80°C / 500 hours. Various applications: • Reflex-reducing headers for displays, LCD, TFT displays • Adjustable attenuation of a luminous flux • Reflex-free lighting and photography and electronic image processing • Voltage test in the glass u. Plastics Processing • Sensors, light barriers • Polarization microscopy, polarimetry for the investigation of optically active media • Stereoscopic image separation in 3-D projection, Imax® 3-D cinemas, ophthalmology • ellipsometry Filters are laminated with protective film on both sides - remove before use! Other formats are available on request. All prices are for 1 piece!
	ST-38-20-1515	150 x 150 mm	0,2 mm	13,00 €	
	ST-38-20-2020	200 x 200 mm	0,2 mm	17,00 €	
	ST-38-20-2525	250 x 250 mm	0,2 mm	21,90 €	
	ST-38-20-2030	200 x 300 mm	0,2 mm	21,50 €	
	ST-38-20-3030	300 x 300 mm	0,2 mm	26,00 €	
	ST-38-20-3040	300 x 400 mm	0,2 mm	34,50 €	
	ST-38-20-4040	400 x 400 mm	0,2 mm	43,00 €	
	ST-38-20-4050	400 x 500 mm	0,2 mm	50,00 €	
	ST-38-20-5050	500 x 500 mm	0,2 mm	60,00 €	
ST-38-20S Film one side adhesive 0,2 mm depth	ST-38-20S-1010	100 x 100 mm	0,2 mm	9,50 €	
	ST-38-20S-2020	200 x 200 mm	0,2 mm	19,00 €	
	ST-38-20S-2030	200 x 300 mm	0,2 mm	24,00 €	
	ST-38-20S-3030	300 x 300 mm	0,2 mm	30,00 €	
	ST-38-20S-3040	300 x 400 mm	0,2 mm	39,50 €	
	ST-38-20S-4040	400 x 400 mm	0,2 mm	52,50 €	
	ST-38-20S-7040	710 x 406 mm	0,2 mm	78,00 €	
ST-38-70 Film 0,7 mm depth	ST-38-70-1010	100 x 100 mm	0,7 mm	11,20 €	
	ST-38-70-2020	200 x 200 mm	0,7 mm	32,90 €	
	ST-38-70-3030	300 x 300 mm	0,7 mm	39,00 €	
	ST-38-70-4040	400 x 400 mm	0,7 mm	61,00 €	
	ST-38-70-5050	500 x 500 mm	0,7 mm	83,50 €	
	ST-38-70-12452	1240 x 520 mm	0,7 mm	112,90 €	
ST-38-GL Glass 2 pcs.-set L/R	ST-38-GL-1515	150 x 150 mm	4,0 mm	199,00 €	
	ST-38-GL-2020	200 x 200 mm	4,0 mm	250,00 €	
	ST-38-GL-3030	300 x 300 mm	4,0 mm	299,00 €	

ST-38 - LINEAR Polarization Filter - Polarisation axis 45°/135°

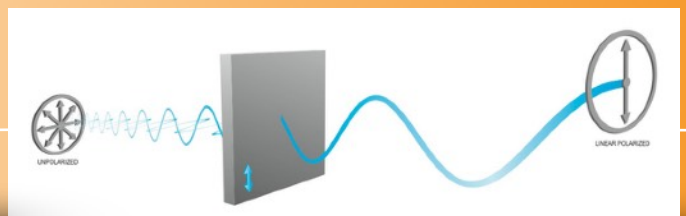
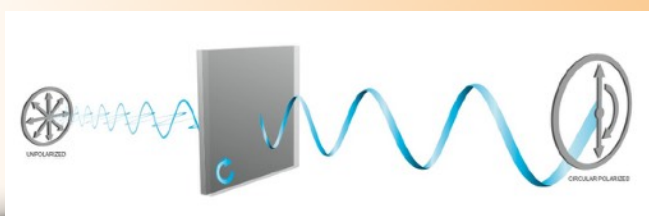
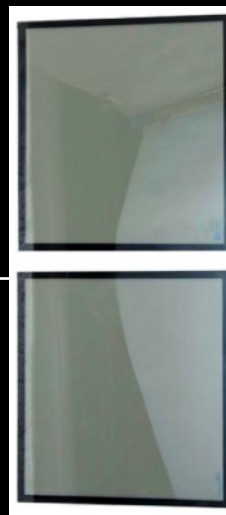
TYPE	Typ	Dimensions	Depth	Price €	Description
ST-38-20V Film 0,2 mm depth	ST-38-20V-1010	100 x 100 mm	0,2 mm	9,50 €	Material PVAL film, polarization axis 45°/135° to edge. International V-Orientation for 3D glasses. Otherwise like ST-38-20. Prices are for 1 piece!
	ST-38-20V-2020	200 x 200 mm	0,2 mm	19,00 €	
	ST-38-20V-3030	300 x 300 mm	0,2 mm	30,00 €	
	ST-38-20V-4040	400 x 400 mm	0,2 mm	52,50 €	
ST-38-GV Glass 2 pcs.-set L/R	ST-38-GV-1515	150 x 150 mm	4,0 mm	199,00 €	Glass filter framed, polarization direction 0°/90°. Transmission 42% ± 2%, crossed: <0.5%, 380nm <1%. UV Absorption (380nm) <1%. Temperature stable -40° to +80°C. Ultra-White Glass.
	ST-38-GV-2020	200 x 200 mm	4,0 mm	250,00 €	
	ST-38-GV-3030	300 x 300 mm	4,0 mm	299,00 €	



ST-POLARIZING FILTER

CIRCULAR POLARISER





ST-37 - CIRCULAR Polarization Filter 0°/0°					
Name	Typ	Dimensions	Depth	Price	Description
ST-37 Film 2 pieces-set (left/right)	ST-37-5050	50 x 50 mm	0,4 mm	8,50 €	Material PVAL film, polarization direction 0°/0° (realD). Transmission 42% ± 2%, crossed: <0,5%, 380nm <1%. UV absorption (380nm) <1%. Temperature stable -30° bis +80°C. Ultra-White Glass. Filters are laminated with protective film on both sides - remove before use!
	ST-37-1010	100 x 100 mm	0,4 mm	17,00 €	
	ST-37-1515	150 x 150 mm	0,4 mm	26,00 €	
	ST-37-2020	200 x 200 mm	0,4 mm	35,00 €	
	ST-37-3030	300 x 300 mm	0,4 mm	70,00 €	
ST-37-GZ Glass 2 pcs.-set L/R	ST-37-GZ-1515	150 x 150 mm	4,0 mm	199,00 €	Glass filter, polarization direction 0°/0° (realD). Transmission 42% ± 2%, crossed: <0,5%, 380nm <1%. UV absorption (380nm) <1%. Temperature stable -30° bis +80°C. Ultra-White Glass.
	ST-37-GZ-2020	200 x 200 mm	4,0 mm	249,00 €	
	ST-37-GZ-3030	300 x 300 mm	4,0 mm	299,00 €	
All prices for ST-37 2 pieces-set (left/right)	Circular polarizers use a linear polarizing film, which is provided at 45° with a delay element Lambda ¼. Incident light is linearly polarized and converted by the downstream retardation film in circular light, rotates the direction of oscillation. Depending on the orientation of the retardation film at +45° or -45° generate left (LH) or right (RH) circular light. Through a circular polarizer incident light strikes a reflective surface, thereby reversing its originally obtained by rotation. Meets the circular polarizer again it will be absorbed. This effect is utilized for suppression of reflections on displays and screens, as well as for image separation in the 3-D technology.				





3D GLASSES

LINEAR, CIRCULAR, ANAGLYPH

3D Glasses - linear, circular, anaglyph								
3-D glasses, paper white , linear 45°/135°, or circular 0°/0° 3-D anaglyph glasses, red/green, red/cyan, red/blue or red/red Pulfrich (TV)	Qty.	1	10	25	50	100	250	500
	€ / Stk.	0,90	0,85	0,80	0,69	0,59	0,54	0,49
3-D glasses, paper white , linear polarization axis 0°/90°	Qty.	1	50	100				
	€ / pc.	1,00	0,95	0,90				
3-D glasses, Theme Park Style , linear 45°/135°, or circular 0°/0° plastic black, fixed ironing	Qty.	1	10	50	100	250		
	€ / pc.	3,90	3,60	3,20	2,80	1,90		
3-D glasses, Theatre Style , circular 0°/0° (RealD) plastic black, folding ironing, 0,7 mm high end filter, reusable	Qty.			100	200	500		
	€ / pc.			4,90	3,90	3,50		
3D anaglyph glasses, anaglyph red/cyan, acrylic glass filter, plastic black, folding ironing	Qty.	1	5	10				
	€ / pc.	5,90	5,40	4,90				
Other types and qualities on request								

- **Paper white**, linear 45°/135° (V-Angulation), 0°/90° (L-Angulation), or anaglyph red/cyan
- **Paper white**, circular 0°/0° (RealD) and Pulfrich
- **Theme Park Style**, plastic black, fixed ironing, linear or circular
- **Theatre Style**, Kunststoff schwarz, Klappbügel, zirkular
- **Anaglyph Glasses**, red/cyan, acrylic glass filter, plastic black, folding ironing



ST-MIRRORS

FIRST SURFACE MIRRORS - GLASS OR FILM ON FRAME

OPTICAL DEFLECTING MIRROR

ST-Projection Mirrors, are made from flat glass or mirror film stretched on an aluminum frame. Provide the highest possible reflection and are suitable for professional optical applications. Both types have similar optical properties and differ only mechanically.

ST-GS - float glass mirror can be cleaned wet
ST-AV-HS - mirror film on frame, lightweight and unbreakable, but sensitive surface

IMAGE QUALITY

First surface mirrors of the highest quality, where extraordinary demands are placed on the reflection, free of double images (ghosting). In the area of projection, the depth of construction is significantly shortened without a visible loss of quality. Saves the use of expensive wide-angle lenses.

SOME SPECIAL FEATURES

- high reflective surface - $R=94\%$
- custom cuts up to 600 x 200 cm
- no ghosting, double images
- suitable for all projectors
- also available trapezoidal

WHY ST-MIRRORS

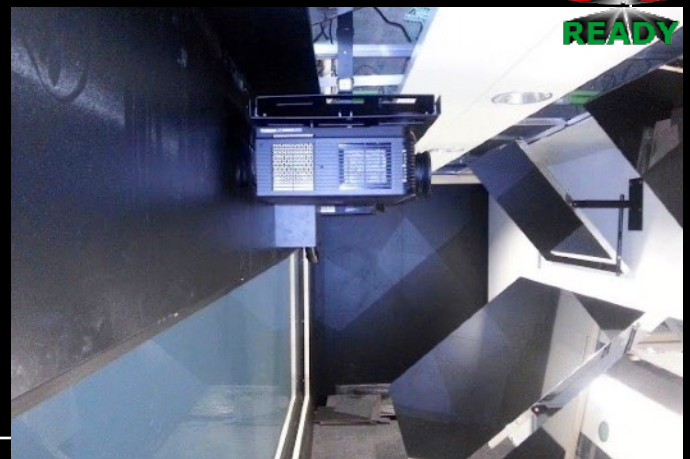
- Distortion-free
- Polarization preserving for 3D
- Flat surface, easy installation
- Saves expensive wide-angle lenses

ST-GS - GLASS

- Custom cuts up to 270 x 180 cm
- Thickness: 3; 5 or 6 mm
- Coated on one side with AL+SiO₂
- About 94% reflection - 45° at 550 nm
- Chamfered edges
- Wet cleaning with a soft cloth

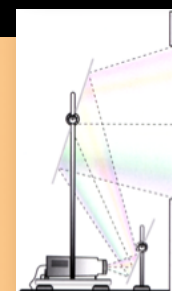
ST-AV-HS - FILM

- Custom sizes up to 600 x 200 cm
- Aluminum frame 20 or 40 mm thick
- Lightweight, only approx. 2.4 kg/m²
- Corrosion resistant, unbreakable
- About 94% reflection - 45° at 550 nm

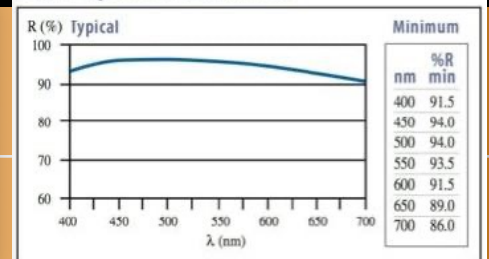


ST-Mirrors - solutions for:

- Photo, optics, home-theatre
- Reduction in depth
- Exhibition and presentation
- Scanners, copying machines, overhead
- Light redirection with beamer projection



HR94™ Spectral Performance



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from 55,00 €

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SCREEN-TECH
VISUAL COMPONENTS

ST-LAN-COLLECTION

FRONT- AND REAR PROJECTION FILMS, ADHESIVE

DESCRIPTION

ST-LAN is a collection of self-adhesive front and rear projection films that can be glued on all smooth surfaces, such as hardboard, glass, plastics, composite panel ...

Films are very resistant, have matte surfaces and can be used inside or outside. Comes in roll width and can easily be cut to size.

BETTER PICTURE QUALITY

The optical properties of the films are optimized for various specific applications. Easy bubble-free wet application with a squeegee and a mild soap suds.

ST-LAN - the new generation of unique projection films.

Different surfaces from standard white to high-gain, high-contrast and passive 3D.

SOME SPECIALS

- *easy to use*
- *from the roll to cut*
- *temperature stable*
- *can be applied wet or dry*
- *resistant, matte surfaces*

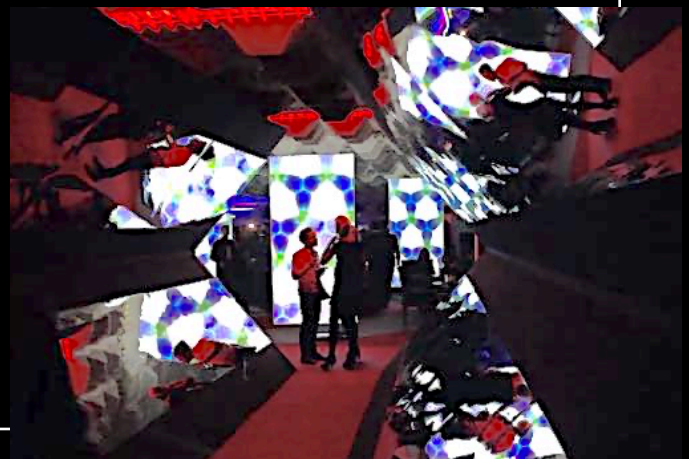
WHY ST-LAN

- **ultra-sharp, pure, bright picture**
- **self-adhesive, easy installation**
- **also for passive 3D with polarization**
- **neutral colors**
- **for indoor and outdoor use**
- **2 years warranty**
- **high resolution, 4k suitable**
- **sturdy and easy to clean**

TYPES:

ST-LAN-R, rear projection, standard white
ST-LAN-XR, rear projection, 3D, white
ST-LAN-F, front projection, standard white
ST-LAN-HS, front projection, 3D

Roll width: 126 cm up to 152 cm



ST-LAN - solution for:

- front and rear projection e.g. in shop windows
- touchscreen, simulators, conference rooms
- fairs, exhibition, museum, showroom, home-theatre, POI
- especially for short throw projectors (LAN-R and LAN-F)



Price per m²
290,00 €

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SCREEN-TECH
VISUAL COMPONENTS

ST-HDV

ACRYLIC GLASS FRONT PROJECTION SCREEN

FRONT PROJECTION SCREEN

ST-HDV is the first acrylic glass front projection screen - patented and developed by Screen-Tech. Titanium dioxide white, the purest and "whitest white" in the world, make this screen a reference object in a class of its own.

ST-HDV is an alternative to standard framed screens and a highlight in every presentation and of course in the home-theatre due to the noble acrylic glass.

BETTER PICTURE QUALITY

The micro-matt surfaces on both sides are structure free and do not allow annoying reflections. The projection screen can be used on both sides. Free of yellowing or wrinkling, which is usually a problem of flexible canvases. This screen allows a variety of uses.

SOME PARTICULARITIES

- noble cast acrylic glass
- all custom cuts up to 3.05 x 2.03 m
- 10 years warranty
- usable on both sides
- abrasion resistant and washable

WHY ST-HDV

- Pure, neutral image for HD / UHD 4k
- Smooth matte surfaces
- Rigid plate, easy installation
- Also with aluminum frame
- Titanium dioxide white
- For indoor and outdoor use
- Mounting curved possible
- Maximum viewing angle
- Easy wet cleaning and UV stable

Easy processing like:

Sawing, drilling, milling, gluing,
Screws, hot forming, curves ...

Also available in geometric shapes!

Maximum size: 3050 x 2030 x 3 mm

ST-HDV - größter Touchtable der Welt - BMW



ST-HDV - solution for:

- Highest demands on a neutral picture
- Home-Theatre
- Fair, exhibition, museum, sales rooms
- Simulator, conference room
- Touchscreen



Price per m²
290,00 €

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SCREEN-TECH
VISUAL COMPONENTS

ST-PRO-X

ACRYLIC GLASS REAR PROJECTION SCREEN

REAR PROJECTION SCREEN

ST-Pro-X is the ultimate acrylic glass rear projection screen. Unmatched image brightness (Gain 2.5), with a very broad viewing angle. The picture is bright and clear from virtually any angle, without hot-spot.

Like all our rear projection screens, the picture is free of glitter and any structure. The screen is matte on both sides and not only with film laminated.

Suitable for use with first surface mirrors.

BETTER PICTURE QUALITY

The projected light is uniformly scattered in all directions by implemented optical micro-lenses. This allows the largest viewing angle in this transmission class and the use of short focal lengths (F 1.2:1).

SOME PARTICULARITIES

- *noble optical acrylic glass*
- *all custom cuts up to 3.05 x 2.03 m*
- *10 years warranty*
- *usable on both sides*
- *abrasion resistant and washable*

WHY ST-PRO-X

- Pure bright and uniform image
- Preserve polarised light for 3-D
- Rigid plate, easy installation
- Optionally with aluminum frame
- 100% neutral colors
- For indoor and outdoor use
- Mounting curved possible
- Broad viewing angle
- Easy wet cleaning and UV stable

Easy processing like:

Sawing, drilling, milling, gluing,
Screws, hot forming, curves ...

Also available in geometric shapes!

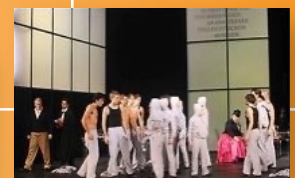
Maximum size: 3050 x 2050 x 3 mm

**3-D
READY**



ST-Pro-X - solution for:

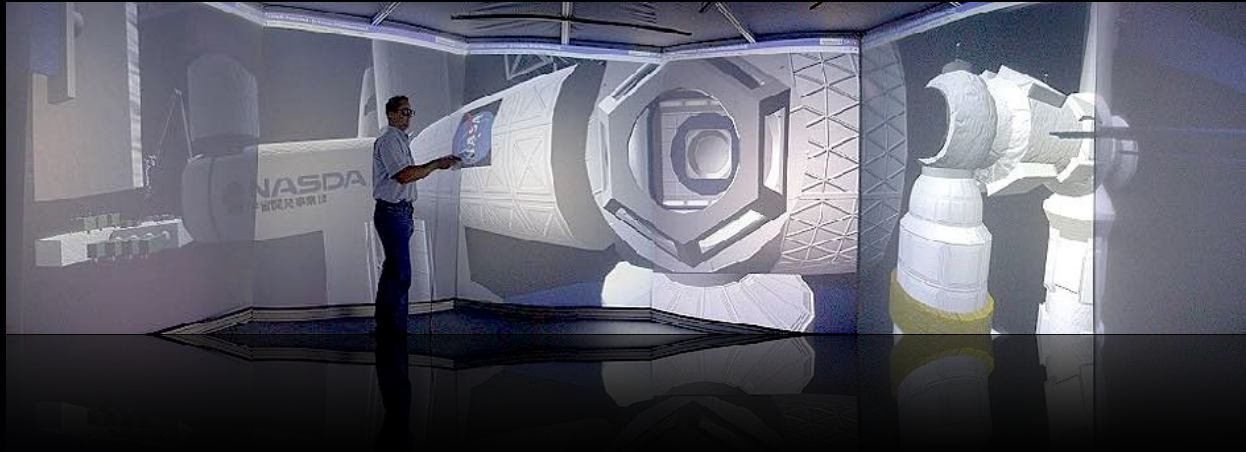
- Passive 3-D applications with polarized light
- Home-Cinema, Touch-Table
- Exhibition, Shows, Museum, POS, Pub ...
- Simulator, Virtual Reality, Cave
- All fix installations, conference room



SPEZIFIKATIONEN
PROJEKTIONSMATERIALIEN

Acrylic Glass	ST-Pro-X	ST-HDV			
Front	no	*****			
Rear	*****	no			
Sizes	up to 203 x 305	up to 203 x 305			
Thickness	3 mm	3 mm			
GAIN	2,5	1,2			
Contrast	**	**			
Viewing Angle	****	*****			
Passive 3D	*****	no			
Color	white	white			
Fire Class	B2	B2			

Self-Adhesive	ST-LAN-R	ST-LAN-XR	ST-LAN-F	ST-LAN-HS	
Front	**	*	*****	*****	
Rear	*****	*****	**	*	
Roll Width cm	135	152	126	126	
GAIN	1,2	1,8	1,2	1,8	
Contrast	**	***	**	*****	
Viewing Angle	****	**	*****	**	
Passive 3D	no	*****	nein	*****	
Color	white	white	white	silver gray	
Fire Class	B1	B1	B1	B1	



Screen-Tech e.K.

Brunnenstrasse 32

D-25582 Hohenaspe

Germany

T. +49 48 93 / 373-101

F. +49 48 93 / 373-102

www.screen-tech.eu

info@screen-tech.eu

