

## Intelligent Glass Solutions - Better by Design

The Intelligent Glass Division is part of **technical display** specialising in optical screen films and coatings, a company who was born to innovate, changing the face of visual display as we know it today. A UK manufacturer at the forefront of display technology, focused on developing new and exciting ways to advertise and entertain. Image and communication are no longer just a desire - they've become a way of life.

A combination of design flair, innovation and expert knowledge have created a truly unique range of glass products and solutions.

### SMART FILM (SELF ADHESIVE)

#### Designed to retro-fit to existing glass - simply peel and stick

Smart Film by Intelligent Glass provides a simple and cost effective alternative to other Switchable Film technologies. It is manufactured with a self-adhesive cling layer on one side (peel and stick) which makes it easy to apply to both new and existing glass (no specialist installation equipment required).

A simple ON - OFF mode switches the film from being clear (transparent) to frosted (opaque). In its frosted state the film acts as an electronic blind providing privacy and security for any glass, window or partition.

The film is available in two standard widths 980mm (38.6") and 1200mm (47.3") and can be cut to any size. Custom shapes and sizes are available and multiple pieces can be joined together to create large switchable glazed panels or partitions.

This unique film technology also transforms any glass into a high definition rear projection screen allowing you to display corporate presentations, TV images and videos. A truly innovative product making switchable glass technology accessible to everyone while giving your home or business the added WOW factor.



## SMART GLASS (SINGLE GLAZING)

The latest generation of smart glass provides a simple and cost effective alternative to other switchable smart glass technologies. This glass is manufactured by coating down the (PDLC) switchable layer on to one of the glass surfaces.

This means that the (PDLC) switchable coating can be simply applied to any type or thickness of glass (including fire rated), creating a solution with optimum clarity and performance. Another major factor is a reduction in manufacturing lead-time, making it the ideal choice for all time critical projects.

Our standard switchable smart glass (single glazed) uses toughened/tempered glass in thicknesses 4mm, 6mm, 8mm, 10mm, 12mm and 15mm. The 4mm and 6mm glass is often used by DGU/IGU manufacturers to build into their own sealed units.

A simple ON - OFF mode switches the glass from being clear (transparent) to frosted (opaque). In its frosted state the film acts as an electronic blind providing privacy and security for any glass, window or partition.

The switchable smart glass can be manufactured to any size with two standard widths 985mm (38.8") and 1205mm (47.4"). Larger sizes and custom shapes are also available. Multiple panels can be joined together to create large switchable glazed walls or partitions.

This unique glass technology can also be used as a high definition rear projection screen to display corporate presentations, TV images and videos. A truly innovative product making switchable smart glass technology accessible to everyone while giving your home or business the added WOW factor.



**OFF**



**ON**

## REAR PROJECTION FILM

technical display manufactures a range of **rear projection films** that can be easily applied to glass / plexiglas. They are available in 3 formats:

- Per metre off the roll
- Wholesale rolls - 10 & 30 metre rolls
- Standard screen sizes - 30" - 120" diagonal (4:3 or 16:9 aspect ratio)

Multiple pieces of film can be joined on glass to create large format displays.

### Pro Diffusion Film

Pro Diffusion film is a high contrast rear projection film primarily used for store window displays and high end video applications. This unique high resolution **rear projection screen** technology offers superior brightness, contrast and black levels even in high ambient light and daylight.

The film is available in a range of standard screen sizes (30" - 120"), in wholesale roll format (10 & 30 metre rolls) or by the linear metre off the roll (1524mm / 60" wide). Custom shapes and sizes are also available and pieces can be simply joined to create large format displays.

Pro Diffusion film has a self adhesive layer (peel and stick) making it easy to apply to glass or plexiglas.

### High Gain Film

High Gain rear projection film is a specialist rear projection film primarily used for store window displays and advertising screens. This low cost projection film offers superior brightness in high ambient light and daylight.

The film is available in a range of standard screen sizes (30" to 120"), in wholesale roll format (10 and 30 metre rolls) or by the linear metre off the roll (1524mm / 60" wide). Custom shapes and sizes are also available and multiple pieces can be joined to create large format displays.

High Gain film is manufactured with a self adhesive layer meaning it can be easily applied to glass or plexiglas. High Gain film is a cost effective screen technology which can perform well with lower powered, less expensive projectors.

### Clearview Film

Clearview is a transparent rear projection film primarily used for store window displays and attention grabbing screens. This unique film provides a low cost alternative to holographic screens, offering superior performance, definition and no critical angle of projection. The film is available in a range of standard screen sizes (30" to 120"), in wholesale roll format (10 and 30 metres) or by the linear metre off the roll (1524mm/60" wide). Custom shapes and sizes are available and pieces can be simply joined to create large format displays. Clearview film has a self adhesive layer (peel and stick) making it easy to apply to glass or Plexiglas.

## Sunscreen Film

Sunscreen is a revolutionary new rear projection film developed specifically for window applications and outdoor events. This unique screen technology has a special louvered optical filter which deflects external light to provide bright, sharp and crystal clear images in daylight conditions. This is the only true projection screen technology that will perform in direct sunlight.

Sunscreen rear projection film eliminates the problems of blurriness and glare caused by external light and reflection making it ideal for both store windows and external display.

Sunscreen technology requires images to be projected at  $26^{\circ} \pm 5^{\circ}$  for optimum viewing effect. Sunscreen provides a cost effective screen solution in direct sunlight - no need for high powered projectors.



## INTERACTIVE TOUCH FOILS

**technical display's** Interactive Touch Foils transform any glass or acrylic surface into a touch screen, making them the ideal choice for interactive store window displays.

The **touch foil** has an electrostatic cling liner laminated to the surface, making it ideal for both permanent and temporary applications.

Clear Interactive foils for LCD Monitors 10" - 30" diagonal.

Interactive Rear Projection Foils 30" - 82" diagonal.

The **Interactive Projection Foils** are designed for rear projection applications onto glass and come as a kit which can be simply installed within a matter of minutes. Each Interactive Touch Foil comes with one of four types of projection material laminated to the surface:

- **Sunscreen** - sun readable screen for applications in direct sunlight.
- **Pro Diffusion** - high contrast screen for general display / window applications.
- **High Gain** - high gain screen for general display / window applications.
- **Clearview** - transparent / holo screen for general display / window applications.

Our Interactive Foils offer greater stability and reliability than other competing projected capacitance foils in the market. Our upgraded software and driver with USB connection have been digitally approved by Microsoft. The interactive foils can be used for single touch applications on glass up to 20mm thick and for dual touch applications on glass that is up to 8mm thick.

### Standard Sizes -

30", 40", 50", 60", 67", 72" (4:3 & 16:9), 82" (16:9)

Technical drawings available:

### Features -

- Projected capacitance (thru glass touch technology)
- Single touch / dual touch function
- Response speed - 50 - 100ms
- Durable flexible foil
- USB v1.1 and v2.0 compatible
- CE , UL and RoHS compliant
- Windows compatible (XP, Vista, 7)

### Benefits -

- Standard sizes 30" - 82" (4:3 and 16:9)
- Digitally approved by Microsoft
- Various projection materials available
- Works with gloved hands
- Supports all media types
- Reduced noise interference

### Recommended Applications -

- Store window displays
- Indoor / outdoor kiosks

- Glass partitions / office windows
- Exhibitions / conferences
- Visitor attractions / museums
- Touch tables / stands
- POP and POS Displays



Our relationship with clients is the most important thing in our business, and because of this we ensure that we are available throughout the life of your installation to offer support so that you have peace of mind.

Our after sales service includes comprehensive training on equipment, operator notes, equipment references and free telephone support.

Our team of engineers are also available to guide you through the process of selecting the right equipment for your needs. If you have any questions about integrating any of our systems into your work environment, or need advice on which equipment is right for your application, please do not hesitate to contact us:

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With offices located in **Warrington, Worcester, Windsor** and **Sheffield**, **technical display** provides fast and effective national support