

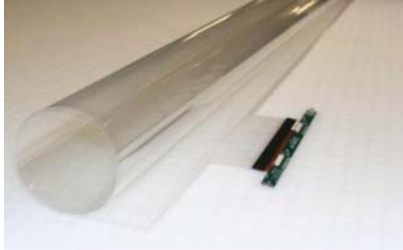


# Suntronic's Projected Capacitance TouchScreen System

## SUNTRONIC TOUCH



Suntronic's are the manufacturers of the Suntronic Touch™. Available between display sizes of 30" and 167" they can be fitted and even retrofitted to a range of display screens



The touchscreen™ uses unique projected capacitance touch technology comprising sheet with an embedded mega-thin XY grid of sensing wires leading to a controller.



The Suntronic Touch is attached to any non-metallic substrate and when the substrate is touched, the capacitance changes. This change is detected by the controller calculating the X and Y coordinates which are then communicated to your computer and your interactive software application.



Easy to set up and apply to window, glass, acrylic, rear-projection screens and any non-metallic materials

Fits flush with glass (zero bezel)

Sizes available up to a whopping 167" diagonal

External lighting not a factor

All components safely concealed and protected

Works even with gloves or when wet

Works on curved surfaces

Max active size  
(3.985 m x 1.460 m)

Bespoke Formats up to 3.985 m  
length (167" diagonal) available

## FIXING OPTIONS

### Permanent

We apply optically clear permanent adhesive to the touchscreen during manufacture. This allows it to be applied to glass and smooth non-metallic surfaces.



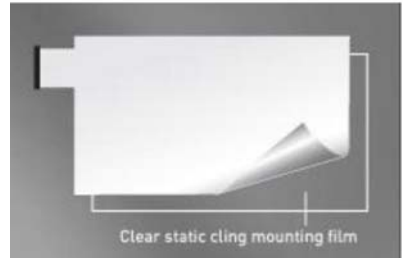
### Permanent (clean peel)

We apply optically clear removable adhesive during manufacture. Specifically designed for applying to shop windows and internal glass walls where removal without residue is a requirement.



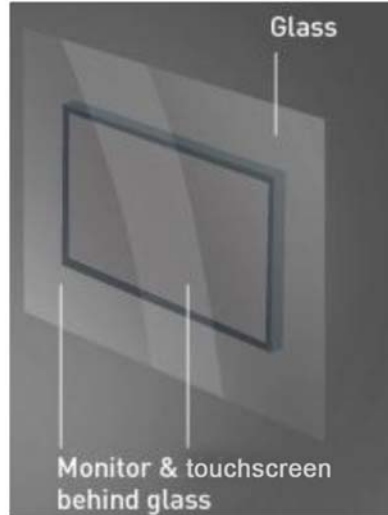
### Re-usable [cling]

The touchscreen can be attached with a separate static cling mounting film suitable for glass surfaces only. This allows it to be moved and used again.



## THROUGH WINDOW OR GLASS

When your offices are closed, you have two options. You can offer your customers nothing at all. Or you can install our touchscreens directly to your window or glass panel. Complete with rear projection or LCD screen behind, you'll create a great user experience.

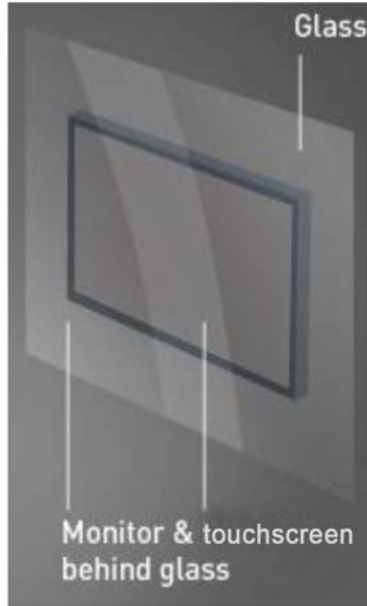
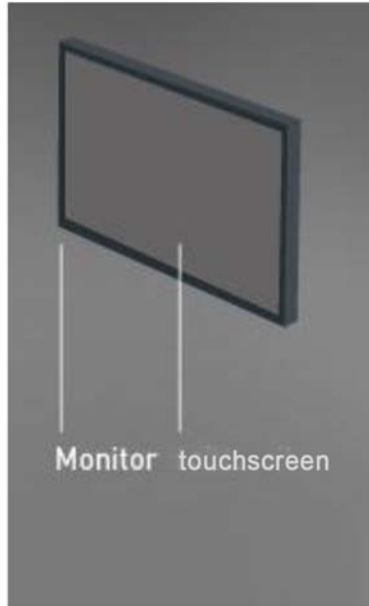


Suntronic Touch™ can be applied directly to a window or a glass sheet with a rear projection screen

Complete with the display applications and content created by our partners a rear projection or LCD screen will create a great user experience.



## LCD MONITOR



The Suntronic Touch™ can be applied directly to a glass sheet then mounted on the frame of the LCD. This method conceals all the electrical components

Suntronic Touch™ can also be applied directly to a window or glass sheet with an LCD monitor positioned behind



## TABLETOP



In the company conference room or indeed in your home lounge area the touchscreen can be used on the tabletop to create a collaborative workspace or interactive media centre. Applied to glass the touchscreen can be used above an up facing LCD screen which is embedded within the table.

## KIOSKS

Public areas, like shopping malls or company reception areas can be a bit dull. You can fill them with nothing - or you can opt for an interactive kiosk, engaging people and leading them gently towards your products and services.

Want to use kiosks outdoors? The touchscreen can be flush-mounted in front of an LCD screen within a weather proof, IP rated and interactive casing - a solution already provided off the shelf by our partners.

Suntronic Touch can be applied directly to a window or a glass sheet with an LCD monitor positioned



behind creating a sleek stand-alone display with vandal proof interactivity

## SPECIFICATION

touchscreen™ size	4:3 30"-94"	16:9 30"-115"	21:9 30"-U3"	No specified display format 30"-167"
Customisable features	Sizes, Tail length, Tail width, Tail position, Active area and cut			
Position accuracy	30"-50" approx. 2 mm absolute, 1 mm relative, No drift 51 "- 70" approx. 5 mm absolute, 71 "-116" approx. 8-10 mm absolute			
Controller board	Removable controller board			
Sensitivity	Can be programmed for different thickness of glass and even use with gloved hands. Standard configuration function with non-metallic single construction glass 20mm thick inclusive of glass and air gap. Sensitivity through Double Glazing also possible			
Speed of response	Typically 18 - 50 ms			
Output	Either RS 232C Communications to a 9 pin D female or USB to RS 232 Adaptor** or USB 2.0 HID Device A Male to Male Mini B			
Software compatibility	Windows operating system Mac (Beta version only) Linux (CentOS and Ubuntu - Beta version only) Please contact us for further information			
Temperature range	Better than -10°C to +70°C			
Humidity controller	0% 95%. Unaffected by condensation			
Light transmission	Typically better than 93% EN55022:1998 + A1 + A2 EN55024:1998 + A1 + A2			
EMC	This device complies with Part 15 of the FCC Rules Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation			