



## Screen Printing

### Brief Explanation

Screen printing is a technique that was originally developed over 1,000 years ago.

It is a printing process whereby a mesh is used to transfer ink onto a substrate, except in areas deliberately made impermeable to the ink by a blocking stencil. A blade is moved across the screen to fill the open mesh apertures with ink. A reverse stroke then causes the screen to touch the substrate momentarily, transferring the ink to the surface.

### At Panel Graphic

Fast forward a thousand years to today where we find this method is still the most suitable for surface decoration in the production of optical Display Windows and many other parts produced at Panel Graphic.

Panel Graphic utilise both semi automatic and hand bench printing methods. This guarantees that every individual print is visually inspected after each printing pass, ensuring everything is **accurate** and **precise** at all times.

Ink curing is available in all 3 drying methods:  
**Air Dry, Oven Curing and IR (Infra-Red) Curing**

The curing method is determined by the preferred relevant ink selection.

### Facilities

All print production is carried out in clean air filtrated departments, with controlled lighting levels and air solvent extraction, adhering to all the latest environmental standards.

