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Country Taiwan, R.O.C.

## PRODUCTS OR MACHINERY

### **Polyvision Privacy Glass**

Polyvision™ Privacy Glass is a leading brand name in switchable glass industry made by Polytronix, Inc from Texas of United States, a first registered brand and mass production privacy glass in the industry since 1990. At the flick of a switch, Polyvision™ Privacy Glass become transparent from a dormant, cloudy-white translucent state. Through Polyvision™ Privacy Glass, you will see things in a whole new light!

Privacy Glass also called Switchable Glass, Electrochromic Glass, PDLC glass, Switchable Visibility Glass, Switchable Light Control Glass or Smart Glass. It is a special laminated glass with a PDLC (Polymer Dispersed Liquid Crystal) film sandwiched inside. Theoretically, when power off, the liquid crystal molecules are randomly oriented, so that incident light is scattered and Polyvision™ film is opaque, with electricity applied, the liquid crystal molecules line up, the incident light passes through, and Polyvision™ looks clear.

Polyvision™ Privacy Glass, therefore, provides creative design applications for architects and other innovative and practical users. Opportunities for use in Bath Room / Shower Enclosure, Clinic Private Areas, Conference Room, Hospital (Nursery, Emergency, ICU, Operation Room), Exterior Windows, Optical Shutters, Projection Displays, Residential, Security Windows, Skylights, Cosmetic Counter Displays...etc.

Polyvision™ products are available in custom sizes and shapes to match your creative designs. Max size up to 1820mm x 3500mm (World largest size).

Polytronix, Inc. is the largest PDLC film supplier worldwide.

Keywords: PDLC, smart glass, privacy glass, Electrochromic Glass, SPD, switchable glass

### **POLYMAGIC™ Glass**

Polymagic™ LED Glass is a special flat lighting glass with special, patented technology that incorporates LEDs green light sources and electronics materials into glass panels to create distinctive patterns, images and logos in an incredible laminated glass panel without any disturbing wires. Polytron have the patents of Polymagic™ LED Glass in United States, European Union, Japan, Korea, China...etc.

POLYMAGIC™ is a totally customized glass, designer or end user could decide the LED pattern designs in glass by their own imagination. It could be in curve or flat type, applied in home and business decoration, industrial design, furniture design, lighting design, outdoor advertising display, Logo or sign design...etc.

Keywords: LED Glass, LED, LED film, Light Source Glass, Electronics materials Glass.

### **Polyholo Glass**

This is a new-patented technology that creates unique glass panels embedded with holographic patterns. It provides a variety of colorful, attractive, eye-catching patterns (stock patterns or custom patterns available). Applications: Outer Windows, Conference Rooms, Kitchens, Shop Windows, Reception Areas, Newborn Nurseries, Room Dividers, Display Areas, Museums, and Commercial Shops.

Keywords: Laser Glass, Laser film, Hologram glass, hologram film

### **Polyflush Glass**

Polyflush Glass appears in different colors when viewing in various angles. It has no metal containment, no oxidation problem and provides up to 99% UV protection. This is an attractive eye-catching material with a unique presentation that will enhance your most imaginative product displays.

Keywords: Flush Glass, changeable film, changeable color glass.

## Company Profile of **Polytron Technologies, Inc.**

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