

SMART FILMS INTERNATIONAL

COMPANY PROFILE

Smart Films International (“SFI”) is a developer and manufacturer of Smart Film and Smart Glass products for Privacy and Solar Control (Energy Efficiency) solutions. Our main markets are Architecture and Automotive.

Smart Film / Smart Glass

Smart Film or Smart Glass, also known as Switchable Glass or Privacy Glass is an innovative solution for Privacy on Demand. The Smart Glass switches between opaque (milky-white) when no power (OFF State) to transparent (ON State) upon applying an electrical power.

In attempting to upgrade existing glass to a Smart Glass (retrofit) we developed a Self-Adhesive Smart Film that applied on existing glasses.

Smart Glass is also served as a Display. It provides you with the capability to turn your glass into a multimedia display and at the same time keep it’s glass transparency. Upgrading traditional glass, for example a storefront glass, with a Display Glass enables you to turn your storefront glass into a big multimedia display on demand, with prestige feel and look.

Smart Solar Glass - Façade

This refers to either of the 3 technologies for the façade:

- Electrochromic - drives by voltage. Active technology.
- Thermochromic - effect by exposure to heat / sun. Passive technology.
- Photochromic - tinted by exposure to light. Passive technology.

Flexible LCD

SFI develops and manufactures Flexible Liquid Crystal Display (LCD). The cell-based products are optimal for light control in low voltage. The flexible film is ‘Normally Open’ Low-Voltage switchable LCD based on proprietary Liquid Crystal, which serves a variety of applications, like: Dynamic lens, Visor, Helmet, Strobe Glass and Ski Goggle - all for the Sports and Healthcare markets.

Its main commercial product is [EyeStrobe](#) (™). A strobe Glasses to train the connection of Eye – Brain – Body.

Privacy Film Advantages

- Privacy on Demand
- No Maintenance
- Reliable- >20 years of installations
- Low Power Consumption
- Full UV Blocking
- Innovative Designs
- Keep your entire space

Flexible KCD - Specification

- Normally Open
- Very low haze – <1%
- Low voltage 5-10V AC Square wave
- Flexible Transmittance Range
- Dimmable
- Thickness – 630 micron/450 micron
- UV protection >98%
- IR Protection - partially
- Supporting automotive applications
- Curve lamination (one axis) R500mm
- Curve Lamination (two axis) R1800mm