

## China digital printing pattern design magic Intelligence PDLC smart film factory



Magic smart film also is a PDLC intelligent switchable film, when power on is clear, power off is opaque on white color, which can control by manual or remote control by per required. As one of Chinese professional glass factory we are able to produce you the self-adhesion smart film which can directly glue outside of the already installed [glass window](#), glass partition , [glass door](#), etc and another type is the middle smart film which have to used into the middle between two panel glass, so that if you are professional deep processed glass factory you can able to buy this type back to processed the finished smart film glass products for your clients, and we can teach you how to make the magic smart film glass, you also can send your engineer to our China factory to learn.

After our research and development department effort, we can printed design patterns on the smart film, we can customize as per required design on smart film, to make your building more special and unique, to let the building integrated with nature, make living more better and comfortable.

**We can types smart film and finsihed smart film products as per required**



**smart film glass**

The complete smart film with glass, after installed can directly used



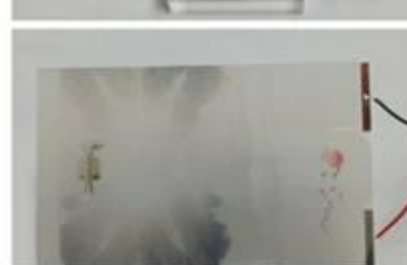
**Normal self smart film**

which can directly glue outside of the already installed glass window and door, etc



**smart film with printed pattern design**

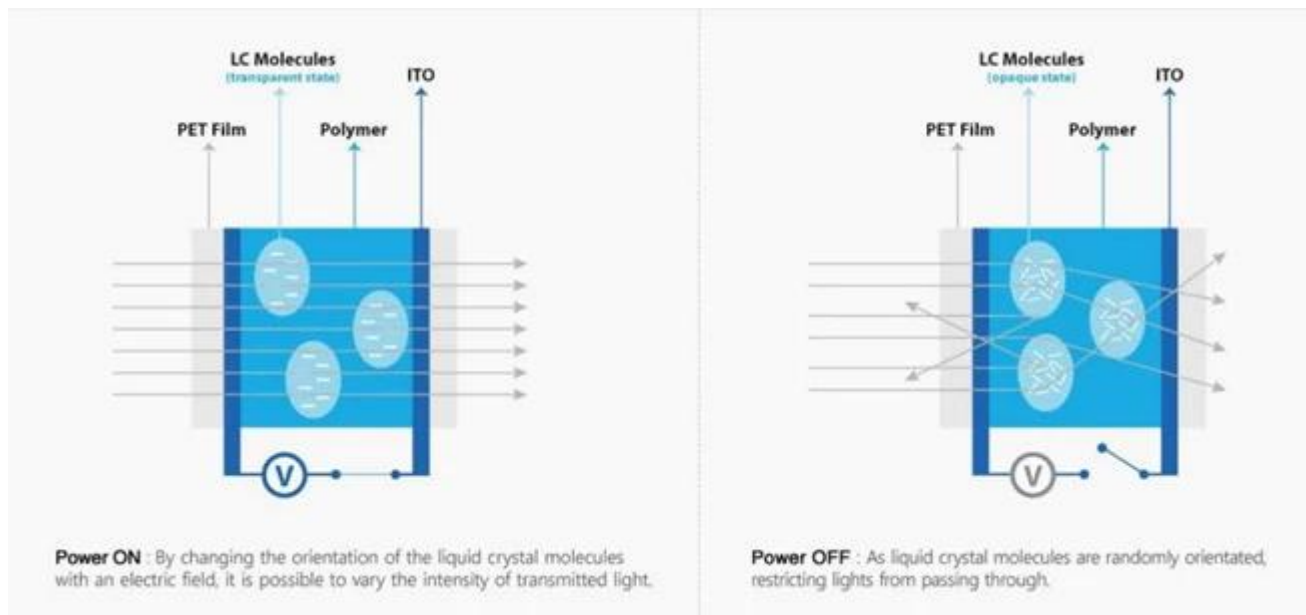
smart film can printed any pattern design as per desire



## Details of smart magic film

Item :	Switchable Smart film ,PDLC film,Magic film
Technology Category:	PDLC film
Thickness:	0.5mm
Storage temperature:	-20 ° C to 60 ° C
Working temperature:	minus 10 degrees to 50 degrees Celsius
minus 10 degrees to 50 degrees Celsius	24VAC, 48VAC or 65VAC (above 65VAC is not recommended non-safe voltage)
Light transmittance:	about 75%
Privacy distance:	Shield any image 3cm away from the other side of the glass
Viewing angle:	about 140 degrees.
Average energy consumption:	5 watts per square meter
Guarantee time :	at least 2 years

## How it is works of smart film?

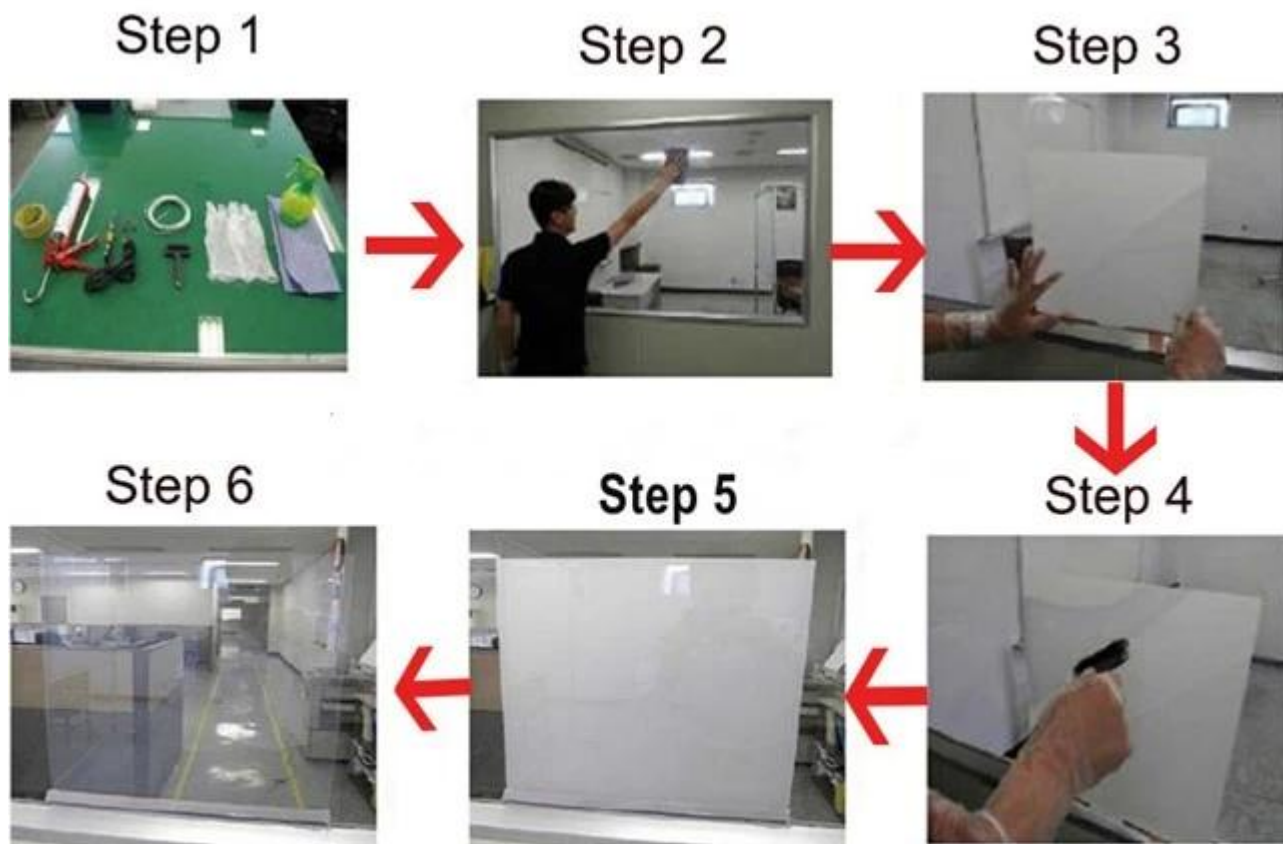


When the magic glass is turned off, the LCD molecules in the electronically controlled smart glass will appear irregularly dispersed. At this time, the PDLC film glass will be appearance light transmittance but opaque . When the magic glass was powered on, the inside LCD molecules are stacking, and light can transmittance freely , the smart glass are transparent. The Control method of magic glass : manual work , remote switch or according to customer requirements

We are professional produce the types smart film include of the self-adhesion film, middle used PDLC film for laminated smart glass, and [finished smart film glass](#) which include of the smart film and glass together, we can satisfy your any required.



## How to installed the magic smart PDLC film?



## Advantages of Digital printed PDLC smart magic film

1. Flexible and easily be trimmed on site
2. Its hygienic and easy to cleaning, dust-free and therefore anti-allergic
3. its not subject to interior trends and timeless
4. easy to remove without damaging the glass
5. Sustainable, good for the environment
6. Reduces the materials-consumption used to make curtains, shutters, blinds, projection screens and dry erase boards
7. Through high temperature printing technology printed the pattern on the film, the pattern will permanently attached to the film and not falling off

**No matter finally used small cut to size smart film, or selling in a roller smart magic film all are packing inside of carton box and the outside with the standard export plywood crate**



