

Pedot Smart Film

The thinnest, the most transparent,
the only smart film able to used
outdoors

力磐國際

FORCE
FOUNDATION
INTL.



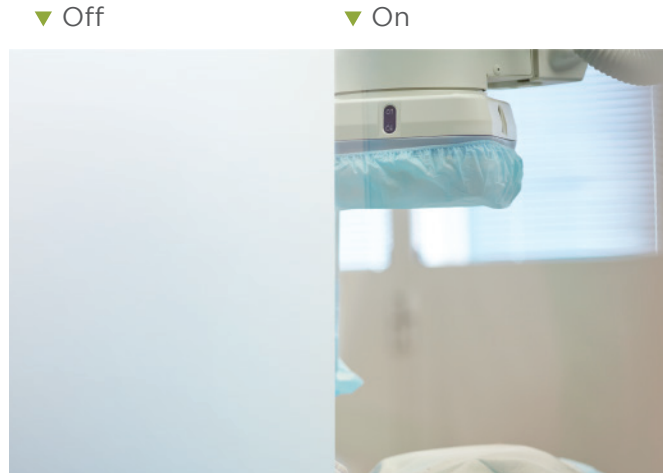
About Force Foundation

Force Foundation Intl. insist on promoting exceptional quality products to its clientele by holding integrity, professionalism, excellence and service as its business management principles. This in turn allows the company to developed into a transnational trading corporation across various different industries and develop diversified products.

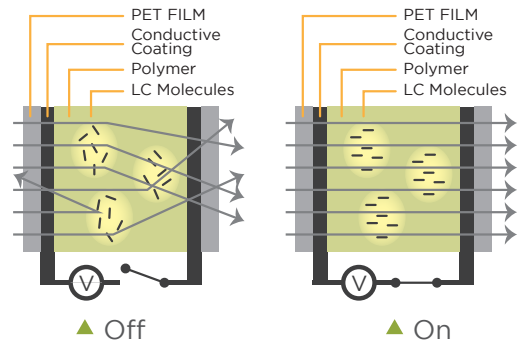
The products are split into 2 categories, Smart Film light timing smart film and ferric chloride etching solution. Due to the direction of ongoing market trend, Smart Film light timing smart film have the most competitiveness from Force foundation's energy saving products.

Product Introduction

The new generation of Smart Film uses the exclusive patented PEDOT material, in which the conductive polymer could be commercially produced, yet the only raw material that is able to simultaneously maintain high transparency and low resistivity. In addition, it has strong weather resistance and the only smart film in the world is able to be used outdoors. Another unique feature is that it is able to effectively resist heat rays and has passed through numerous strict weathering tests during the manufacturing process. Unlike the smart films generally shown on the market, the Smart Film do not need to use a transformer, therefore it is quite stable in regards to quality, application aspects.



Smart Film displays a foggy state when it is not charged with electricity, when alternating current, the internal liquid crystal molecules will appear in an orderly manner, at this time, the Smart Film will turn transparent from its original foggy state. Through the on and off switch on the alternating current makes it easy to quickly transform the state of the Smart Film from transparent to opaque.



Could block 100 % UV light and more than 90% infrared light

Smart Film develop exclusive technology patents that is able to surpass the limitations of the smart timing film regarding its material structure, providing a stability unseen before. Due to this, it is suitable to be used in surroundings with long term sun exposure and in environments with high heat and humidity. Additionally, Smart Film is able to block 100% of UV light and more than 90% of infrared light.



When the weather gets hot, it automatically becomes a scattered state, which is effective in shielding the sun and radiation up to 95% protecting its privacy successfully. When combine with light detect sensors, it could automatically adjust the indoor brightness using the sun, which can fulfill the needs of energy saving and environmental protection.



Malleability and Flexibility

Smart Film is the thinnest smart timing film, not only does it improves the overall transparency, simultaneously it also has malleability and flexibility. This overcomes the flaw that most ITO Smart Film faces, which is resistance continues to build after flexing, sometime up to the point where conductivity breaks. It is suitable for curved glass surfaces and able to twist itself around a 20mm radius stick for more than 1000 times. The flexibility greatly increases the application of the products in various sectors, such as outdoor billboards, architectural design, industrial products, public art installations, presale house, entertainment room...etc.

