



# Conductive Glass and Laser Scribing

*Xop Glass* supplies fluorine doped tin oxide (FTO) and indium tin oxide (ITO). These conductive glasses are widely used in researching groups and companies worldwide in the optoelectronic devices field and it is a key element in the preparation and performance of devices such as dye sensitised solar cells (DSCs), organic light emitting diodes (OLEDs), electrochromic devices, etc.



Some devices that use conductive glass: OLEDs (left) and DSCs (right).

The conductive glass distributed by *Xop Glass* is provided by Pilkington Glass Company and Nippon Sheet Glass Company (NSG, low iron content). There are several sheet resistances available to choose, from 15 to  $8 \Omega/\square$ .

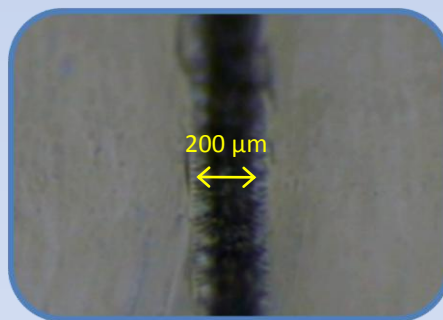
Orders are shipped in approximately 7 - 10 days time and can be cut at the sizes that customers wish, from 30 cm x 30 cm sheets to 7.5 cm x 2.5 cm pieces or even 1 cm x 1 cm.

*Xop Glass* has also the technology to create linear gaps on the glass to provide insulating areas. These lines can be done as straight lines, serrated, circular or in the way wished by the customer by means of laser scribing, providing thicknesses in the microns range (thicknesses from 150 to 1000  $\mu\text{m}$  can be achieved).



Lines drawn on FTO by laser scribing.

To request a quotation or further information, please visit our webpage or contact us. If you wish to buy easily, go to our online shop in our website.



Microscope image of a 200  $\mu\text{m}$  line created on FTO glass by laser scribing.

Xop Glass  
Conductive Glass and Laser Scribing  
Parc Científic EspaiTec  
Universitat Jaume I  
12071 Castellón (Spain)

Contact:  
E-mail: [info@ftoglass.com](mailto:info@ftoglass.com)  
Phone.: +34 964 38 73 51  
Fax: +34 964 38 73 99



[www.ftoglass.com](http://www.ftoglass.com)