



# 智盛全球股份有限公司

負責人：朱兆杰

網址：http://www.iigc.com.tw

地址：新竹市東光路192號3樓之5

電話：03-572 5762



## 主要產品

光濾波片（應用於電漿電視產業）

ITO Film光學膜（應用於觸控面板產業）

## 企業沿革

2004年 公司設立並成功研發光濾波片。

2005年 光濾波片EMI遮蔽膜及抗靜電膜產品通過Green Product/RoHS認證並開始出貨。

2006年 光濾波片EMI遮蔽膜及抗靜電膜產品通過UL-QS-9000。

通過FCC Class B認證。

2007年 通過ISO 9001：2000 Rev.認證。

成功研發60吋i-Glass PDP Filter。

取得經濟部工業局認定新興產業與科學工業之公司核准函。

獲得LG公司PDP色彩調整技術品質規範的認證。

2008年 通過ISO 14001：2004 Rev.認證。

通過 RoHS：2008 Rev.國際無害物質認證。

2009年 成功研發結晶型ITO導電膜卷對卷的鍍膜製程。

2010年 參加日本東京FineTech高機能Film材展。

ITO Film取得日本國際知名大廠之品質認證。

「小尺寸用ITO導電膜」產品Roller Type開始量產。

2011年 民國100年1月11日開始為興櫃股票掛牌買賣。

通過ISO/TS 16949：2009認證。

參加台北世界貿易中心舉辦「2011台灣平面顯示器展」之產品展示會。

開發成功「大尺寸用ITO導電膜」新產品。

## 國際競爭力

一、核心能力：擁有真空光學鍍膜產業界中最具專業及豐富實務經驗的研發團隊，與自行設計生產設備的能力、及核心技術（化學染料技術、光學鍍膜製程技術、高機能透明導電膜製程技術及高功能軟性氣阻高分子膜技術）。

二、競爭優勢：（一）光濾波片產品在於自主開發捲軸式真空濺鍍製程、自製量產設備及擁有染料配方等具有競爭優勢。

（二）ITO Film光學膜產品競爭優勢在於「關鍵技術門檻高」。如：

1.開發電性50Ω/□的產品，適用於大尺寸觸控面板。

2.光學結構無蝕刻痕、b值<1的產品。

3.自主開發濺鍍製程與量產設備具有成本的優勢。

三、專利佈局：獲得多項產業關鍵性核心技術之專利與國際知名大廠的產品認證。

四、產品品質：產品品質、外觀及性能優越且技術層次高，競爭對手切入障礙高。

五、客戶滿意：提供符合客戶需求之產品，全面品質保證，提升客戶滿意度。

# Innovation & Infinity Global Co., Ltd.

中小企業 明星 台灣

Owner：Chu Chao Chien

Web site：http://www.iigc.com.tw

Address：3F-5, No. 192, Dongguang Rd., East Dist., Hsinchu City,  
Taiwan R.O.C.

Tel：886-3-572 5762

## Business Items

I. PDP Filter (Application for Plasma TV).

II. ITO Film (Application for Touch Panel).

## History

2004 I&I Corp. established, and successfully developed optical filters.

2005 PDP filter and anti-static film both products passed the test of Green Product / RoHS certification, and started shipping.

2006 PDP filter and anti-static film products passed the test of FCC Class B of UL-QS-9000 certification.

2007 Passed the test of ISO 9001(2000 Rev.) certification.

Successfully developed 60-inch i-Glass PDP Filter.

Got the award of emerging industries Company from Government department IDBMEAS (Industrial Development Bureau Ministry of Economic Affairs and Science)

Passed the PDP color adjustment qualification test by LGE.

2008 Passed the test of ISO 14001(2004 Rev.) certification.

All Material were passed the ROHS(2008 Rev.) test.

2009 Successfully developed Roll to Roll sputtering process for crystalline ITO film for Touch Panel application.

2010 Attended FineTech Highly-functional film exhibition in Tokyo, Japan.

ITO Film obtained the quality certification of internationally branded manufacturers in Japan.

ITO Film for small size Touch Panel products started to mass production in Roller type.

2011 Emerging stock began trading listed in January 11.

Passed the test of ISO/TS 16949：2009 Certification.

Attended "Display Taiwan 2011" exhibition in Taipei World Trade Center held.

Successfully developed new product of "ITO Film for large size Touch Panel".

## Export Competitiveness

I. Core competencies：Specialized in the development of vacuum sputtering technology and own the ability of mass production.

All R&D team members had great skill in technology and with their strong experiences. The core technology I&I had are Fine chemical & Dye Tech, Optical Coating Process, High-functional TCO Multi-layer System and High-performance Flexible Gas Barrier Films.

II. Core strength：(I) The core strength of optical filter products are "Self-developed Roll to Roll vacuum sputtering process, Self-made production equipment and has our own dye recipes.

(II) The core strength of ITO Film products is multi-solutions for key process which increase entry barrier for ITO product for other competitive company. Such as:

1. Development of electrical resistance 50Ω / □ products for large-size touch panel.

2. Optical structure without etching marks, b < 1.

3. Developed sputtering process and production equipment with a cost benefits.

III. Patent Status：Won many of industrial patents of key core technologies and had our own patent map for products.

IV. Product quality：Good product quality, excellent appearance, superior performance and high technical barrier for competitors to get same quality.

V. Customer Satisfaction：Provide products according to customer needs, comprehensive quality assurance, improve customer satisfaction.





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## 營運管理

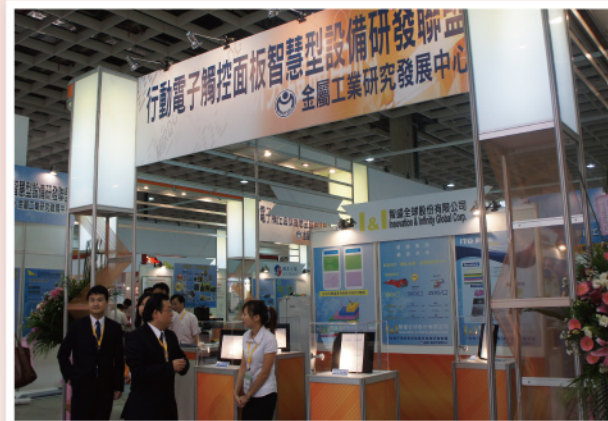
- 一、經營目標：以「品質第一、技術領先、創新工法、創造價值」經營理念成為先進鍍膜領域中技術領先之世界級大廠。
- 二、公司治理：登錄興櫃股票掛牌交易，定期將董事會運作狀況、主要股東持股狀況、財務、業務等資訊揭露至公開資訊觀測站，提升資訊之透明度。
- 三、企業策略：(一)即時服務－設立服務據點：於日本、中國及韓國等地區設置辦事處，提供客戶即時的服務，持續全力拓展該地區之市場商機。  
(二)整合性策略聯盟－提昇產品競爭利基：奠定具有優良的品質及成本競爭的優勢條件與國內、外廠商合作，透過策略聯盟關係，以提昇產品競爭優勢。  
(三)未來潛力商機－負責客戶明天的新產品：藉由『關鍵性技術』平台開發新產品的應用及新技術的運用，與客戶採取合作開發策略，利用本身獨特濺鍍製程，與捲軸式真空低溫結晶製程為技術，配合客戶推出之新產品及新規格，期能成功開創新市場。
- 四、企業e化：電子化系統導入，整合營運部門的運作，提升整體e化管理之效能與效率。
- 五、社會責任：執行綠色環保、落實工業安全、致力責任照顧、達成經營永續。

## 企業特色

- 一、開發觸控面板用的結晶型ITO Film 150Ω/□商品化產品，打斷日本壟斷多年的市場，並成為除了日本以外，全世界唯一能夠生產觸控面板用之結晶型軟式ITO Film之專業製造商，成功的打破日本廠商獨佔的情況，並在全球占有一席之地。在研發方面已領先日本廠商；首先開發新型ITO Film 50Ω/□產品，電性、光學及品質與玻璃一致，為單片薄膜觸控方案（Single Film Solution）之重要關鍵性產品。
- 二、建立Flexible PDP Filter 量產流程，成功開發合乎世界一線大廠之需求光學/阻值等工程規範，以及Flexible PDP Filter 量產製程。

## 綜合評語

- 一、產品具獨特性，且成本和量產方面具競爭優勢，並獲得觸控面板業界大廠的認證與肯定，隨著市場需求和規模持續成長，其成長潛力無窮。
- 二、採客製化服務策略，重視品質管理，從產品開發、硬體設備系統與製程技術開發、產品與設備量產化製程開發等三期技術，均自行投入推動，掌握所有的流程與技術。
- 三、主要核心價值即以研發技術取勝，取得國內外多項專利及認證，建立技術面進入障礙，在此高度技術密集的產業下，積極自行研發技術，建立「小而美」的競爭利基。
- 四、導入E化管理系統，人力資源素質佳，員工流動率低，重視員工福利，樂於與員工分享經營成果，全體員工持有股份高達30%以上。



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## Operation Management

- I. Business objectives：“Highest Quality, Leading Technology, Innovated Process, Created Value” strategy into a leader of advanced coating technology in the field of world-class plant.
- II. Corporate Governance：Login emerging stocks trade, Regular operation of the state board, state of the main shareholders, financial, business and other information disclosed to the Observation Post, to enhance the transparency of information.
- III. Business Strategy：
  - (I) Real-time services - establishment service locations：In Japan, China, South Korea and other regions to provide real-time customer service, continuing efforts to expand the share of market opportunities.
  - (II) Integrated strategic alliances-to enhance the product competitive niche：Laid with good quality and cost competitive advantages for domestic and foreign vendors, through strategic alliances to enhance product competitiveness.
  - (III) Create potential business opportunities in the future. Emerging new product of the customer is responsible for：By using our own unique sputtering process and the Roll to Roll vacuum low-temperature crystallization process, we develop new products under customers new specifications, and develop strategies policies with customers. A way successfully to new markets has open.
- IV. E-business：To import electronic systems, integrated operating divisions of the operation, improve the overall effectiveness of e-management and efficiency.
- V. Social Responsibility：Implementation of green environmental protection, Implementation of industrial safety, Committed to responsible care, Achieve business continuity.



## Enterprise Characteristics

- I. Commercialization of crystalline ITO Film 150Ω / □ products We break the unbalanced worldwide ITO Film market which was exclusively shared by Japanese company for above 15 years. We are the one who able to produce the crystalline ITO Film outside Japan in the world. Our R&D efforts had got good return in very low ohm ITO products for which We get resistivity 50Ω / □ or below. The low ohm ITO Film product had excellent electrical and optical quality, as good as ITO Glass, and the target was first reach by I&I research team in the world. The low ohm ITO Film product is key material in single film touch solution in future.
- II. Establishment of Flexible PDP Filter production process for first-tier makers and meet the world-class demand for optical/ resistance and other engineering specifications.

