



## 印能科技股份有限公司

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### 企業沿革

- 2007年 ● 成立「印能科技有限公司」  
推出第一代開創除泡世代領航機種  
VFS: Void Free System
- 2013年 ● 變更登記為「印能科技股份有限公司」
- 2014年 ● 進駐新竹科學園區竹南基地  
推出第二代新世代晶圓製程創新機種  
VTS: Void Terminator System
- 2015年 ● 通過ISO 9001:2008認證
- 2018年 ● 因應ISO改版，通過ISO 9001:2015認證
- 2019年 ● 推出第三代跨越世代改革新機種  
榮獲：第19屆金峰獎-傑出企業  
第19屆金峰獎-創新研發  
第六屆鄧白氏中小企業菁英獎
- 2020年 ● 興建全球營運總部暨研發中心  
(新竹市香山區)  
榮獲：第29屆國家磐石獎  
第七屆鄧白氏中小企業菁英獎



### 主要產品

- 半導體封裝製程之除泡解決方案
- 半導體封裝自動化搬運系統
- 製程效能整合系統

### 企業簡介

印能科技自創立以來即定位為「製程解決方案提供者」，成立之初即不以提供既有產能設備，而以解決製程問題做為切入市場的策略，並利用解決製程問題而能將製程簡化，進而誘導既有主生產設備規格難度降低，遂而引入破壞性創新取代市場既有者產品，成就臺灣主生產設備之開發。

### 國際競爭力

- 一、國際供應鏈居於關鍵地位：印能科技的製程除泡設備全球市佔率約75%-80%，為全球第一。全球客戶涵蓋車用OSAT、IDM、Foundry、Material supplier、EMS；銷售地區涵蓋台灣、中國大陸、日本、韓國、北美、歐洲、新加坡、馬來西亞、菲律賓。
- 二、擴大投資策略：
  - (一) 深化技術自主性、供應鏈管理及內控機制，以因應下世代更高階封裝技術與製程的需求。
  - (二) 強化專利智財權及商業機密保護機制，避免不肖業者任意侵權與惡性競爭，侵害相關產業長期累積實力，甚至國家整體利益。
  - (三) 興建動態模擬實作生產線，吸引更多半導體上下游廠商加入印能科技解決方案團隊，以此強化台灣企業在國際市場的競爭力，並提升台灣半導體市場整體出口產值。
  - (四) 投資台灣、根留台灣，興建大型科技廠房並擴增生產線，以滿足國際大廠客戶訂單需求。
- 三、未來國際展望與競爭力：
  - (一) 興建「印能科技—全球營運總部」。
  - (二) 興建「印能科技—全球研發中心」。
  - (三) 興建「新世代生產線」設施與購置機器設備。





# AblePrint Technology Co., Ltd.

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## Products and Solutions

Void Free Solution for semiconductor package  
Automated Production Handling System  
Process Performance Integration System



## History

- 2007 Established "AblePrint Technology"(APT)  
1st Gen: The Navigated Model - Initiate the Era of De-void "VFS: Void Free System"
- 2013 Changed the registration to "AblePrint Technology Co., Ltd."
- 2014 Relocated to Hsinchu Science Park Zhunan Base  
2nd Gen: Evolutionary Model for WLP Process "VTS: Void Terminator System"
- 2015 ISO 9001:2008 Certification
- 2018 Following ISO revision, APT received ISO 9001: 2015 Certification
- 2019 3rd Gen:Crossover Revolutionary Model  
Awarded: The 19th Golden Peak Award of Outstanding Enterprise  
The 19th Golden Peak Award of Outstanding R&D Work  
The 6th D&B top 1000 Elite SME Award
- 2020 Establishing a global operation headquarters and R&D center (Xiangshan District, Hsinchu City)  
Awarded: The 29th National Award of Outstanding SMEs  
The 7th D&B top 1000 Elite SME Award

## Introduction

AblePrint Technology was established in 2007 and has been positioned as a "process solution provider". Since the establishment of APT, the market entry strategy was clearly defined – to resolve process issues instead of providing me-too-equipment, a simplified process by solving process issues and induced the specification and difficulty of the main existing production tools can be loosened, then the disruptive innovations are introduced to replace the products of the market incumbents, thereby achieving the development of Taiwan's main production equipment.



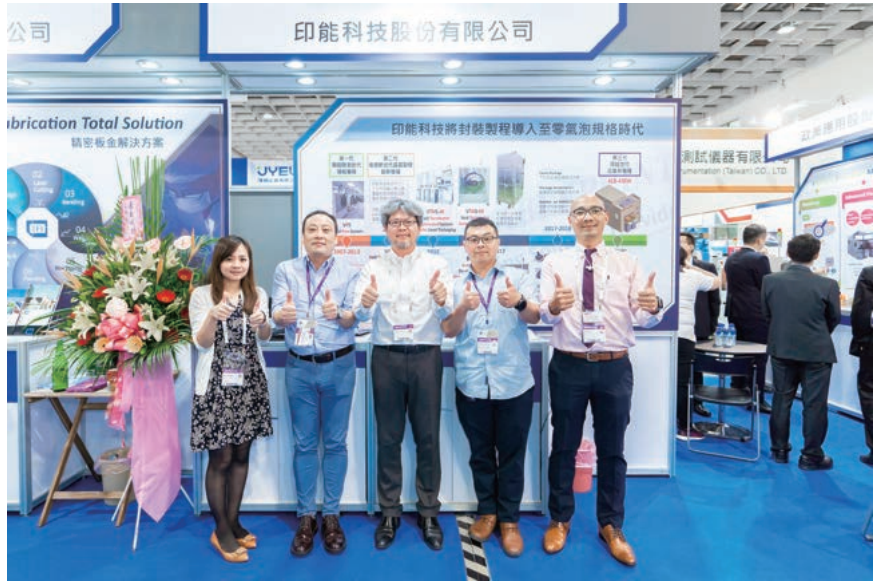
## Export Competitiveness

- I. The international supply chain is essential: APT de-void system ranking first in the world, and it has a global market share of approximately 75% to 80%. Global customers who cover automotive OSAT, IDM, Foundry, Material supplier, EMS; located in Taiwan, China, Japan, South Korea, North America, Europe, Singapore, Malaysia, and the Philippines.



## 營運管理

- 一、公司定位：「以獨特的核心能力提供製程簡化、質量提升與成本效益之製程解決方案專家。」
- 二、經營理念：印能科技不做無特色的產品，任何印能科技產品的背後都代表一個製程問題的解決方案，期望所提供的製程解決方案不僅要能解決每一當前世代及來臨世代的特定製程技術問題，更能成為客戶的最佳成本控制方案。
- 三、行銷策略：印能科技的高低壓高溫除泡系統已成功打進全球第一級的封裝測試公司，在高階封裝、高功率元件、高性能元件、車用電子已經是不可或缺的製程設備，客戶群包含了全球前10大專業封裝廠、全球前5大晶圓代工廠(Foundry)、整合元件廠(IDM)、材料廠等。



## 社會責任

- 一、打造幸福職場：遵守勞動基準法等相關法規外，亦提供團體保險、健康檢查、員工旅遊等，以全方位照顧員工。
- 二、重視工作安全：以「建構安全健康的工作場所」及「零職災」為安全工作環境管理目標。
- 三、辦理產學合作：積極推動青年培育計畫，為半導體產業培育人才。
- 四、參與社會公益：由負責人拋磚引玉鼓勵同仁投入公益活動，整合企業內部資源，以回饋社會。



## 綜合評語

- 一、以高階封裝製程除泡設備及製程自動化系統解決方案，外銷至北美、歐洲、日韓、中國大陸及東南亞國家，除泡設備全球市占率將近8成。
- 二、重視品質管理，通過多項ISO認證，為客戶提供解決生產問題及降低成本之系統，客戶依存度高，競爭對手不易模仿。
- 三、重視員工福利，強調環保與循環經濟之經營策略，訂有環境管理制度，產品符合綠色設計。



## II. Expand investment strategy:

- (I) Deepening technological autonomy, supply chain management, and internal control mechanisms to meet the demands of high-level packaging technologies and processes in future generations.
- (II) Value the protection policy of patent intellectual property rights and avoid arbitrary infringement and vicious competition.
- (III) Establish a dynamic simulation production line to attract more manufacturers to join APT's team of Process Performance Integration System. This will strengthen the competitiveness of Taiwanese enterprises in the international market and increase the overall export output value of Taiwan's semiconductor market.
- (IV) Invest in Taiwan, Keep core technology in Taiwan. Building a factory and expanding product lines to meet the needs of international customer orders.

## III. Future international prospect and competitiveness:

- (I) Build "AblePrint Technology-Global Operations Headquarters".
- (II) Build "AblePrint Technology-Global R&D Center".
- (III) Constructing "new generation production line" facilities and purchasing machinery and equipment.

## Operation Management

- I. Company concept: "Provide process solution with unique core capabilities to simplify the process, improve quality, and cost-effective."
- II. General Management: APT does not develop mass-produced productions on the market (me-too-product), nor does it produce featureless products. Behind every APT product, it represents a solution to process issues; APT does not only overcome every generations' technological issue but can provide the best cost-saving solution too.
- III. Marketing strategy: APT's high-low-pressure, the high-temperature de-void system has successfully entered the world's first-class packaging and testing company. It has become an indispensable process for high-end packaging, high-power components, high-performance components, and automotive electronics. Our customers include the world's top 10 OSAT, the world's top 5 Foundry, IDM, and materials factories.

## Social Responsibility

- I. Create a happy workplace: In addition to complying with relevant regulations such as the Labor Standards act, APT provides life insurance, health checks, employee travel, etc. in addition to taking care of employees from all aspects.
- II. Acknowledge work safety: "Constructing a safe and healthy workplace" and "avoiding occupational disasters" as the goal of safe work environment management.
- III. Industry-university cooperation: Positively promote the youth cultivation plan and foster the talents for the semiconductor industry.
- IV. Social welfare participation: Encourage colleagues to participate in public welfare activities, integrates the internal resources of the company, and repays the general public.

