



獨步全球

EXCETEK 擁核心技術 創新整合拓展最快速

負責人：張瑞成

網 址：www.excetek.com.tw

地 址：台中市西屯區工業 36 路 5 號

電 話：04-2350 2788



主要產品

CNC 線切割機 CNC 放電加工機 CNC 微細孔放電加工機

精密機械求創新 成客戶最佳夥伴

精呈科技成立於 2006 年以生產 CNC 線切割機、CNC 放電加工機、CNC 微細孔放電加工機為主，藉由高度的機電開發核心能力提供高精度高品質及寬廣的產品，並成功開發航空引擎渦輪環線切割機及專精於超大型客製化機種之設計製造，產品行銷國內外 30 餘國。線切割機為高度技術與知識密集之精密機械行業，精呈科技堅持研發技術自主以 EXCETEK 自有品牌、產銷一體之經營模式來贏得客戶之青睞。本公司自主研發 PC-base 控制器、高速放電迴路、精密機械結構、加工應用技術等，整合資工軟體、機械、電子、電機等專業知識，研發團隊來自產業多年經驗之菁英及高學歷人才。以精實生產方式，提高效率、製造品質優良的產品，並在業務及售後服務上均能快速回應顧客需求，因而成為放電加工專業領域客戶的最佳夥伴。



Owner : Richard Chang

Web site : www.excetek.com.tw

Address : No.5,36th Road,Taichung Industrial Park,Taichung 407, Taiwan, R.O.C.

Tel : 886-4-2350 2788

Business Items

CNC Wire Cutting Machine,
CNC Electric Discharge
Machine (EDM), CNC Small
Hole drilling EDM



Company Introduction

Founded in 2006, EXCETEK Technologies manufactures CNC wire cutting machines, CNC EDM and CNC small hole drilling EDM. Having been successfully developed the ring cutting machine for aviation turbine engines, the company specializes in custom design and manufacture of large machine models. With a highly competent core capability of mechanical and electrical development, we provide excellent products at home and abroad for more than 30 countries. The wire cutting machine is a precision machinery industry that requires high-tech and is knowledge-intensive. Adhere to independent research and development; we have taken our own EXCETEK brand and a production-marketing integrated business model to win our customer satisfaction. We have self-developed PC-based controllers, high-speed discharge circuit, precision mechanical structure, and processing application technology. A combination of computer software with the mechanical, electronic and electrical engineering knowledge, our R&D team consists of engineering and academic elites with years of industrial experiences. We position our accurate and efficient production for quality products, and provide sales and after-sales services that can quickly respond to customer requests. Our goal is to become the best partner for customers in the EDM industry.





國際競爭力：公司成立 7 年即迅速銷售海內外 30 餘國

精呈科技自成立開始，即投入各式產品與新技術的研究與開發，堅持銷售自有品牌 EXCETEK，並研發多項線切割新技術與新發明，成功銷售海內外，重點包含：

2006 年 開發台灣第一套實用之 WindowsXP CNC- 線切割機控制器，參加新加坡第一精機集團 ISMEX 展出外銷成功。

2007 年 通過 ISO 9001 國際品質認證系統，同年利用高頻 (Max 4Mhz) 振盪放電技術，成功開發線切割高頻修細技術，使精呈線切割產品加工面可達 Ra0.1um 以下並大幅降低修細所需時間，突破台灣線切割技術瓶頸，成功銷售產品於歐洲市場，並得以與歐、日等線切割大廠競爭。

2009 年 全系列通過英國 AMTRI 認證系統取得全系列線切割機 CE 證書，並發表首例台灣線切割機搭配自動工件交換系統並連結加工中心機，可做為連續性多模具自動加工，並於 2009 年 TIMTOS 台北工具機展展出。

2009 年 執行政府 SBIR 專案成功開發 R2000 渦輪引擎專用線切割加工機，該機型為獨步全球創新產品並取得台灣與美國新發明及德國新形式專利證書，主要運用於航太業渦輪引擎及發電機渦輪輪圈加工用，由自主開發的六軸控制器、直徑 2300mmCNC 控制分度盤、自動排廢料系統、高速加工電源等四項新技術，使客戶可 24 小時不間斷地加工，並已成功外銷歐洲市場。同年，成功開發線切割智慧型遠端監控軟體，可同時監控 64 台機械之狀態，並具備各機台稼動率統計分析能力與遠端加工排程計畫、加工資料庫分享功能。

2010 年 成功開發全世界最大複合型線切割機 V3280，XY 行程 3000mm*2800mm，具備雙機頭八軸向控制機能可同時加工同一個工件以縮短加工時間，並結合細孔放電機能複合化機型，運用於大型模具之加工，並成功外銷歐洲市場。

2011 年 利用放電能量密度檢出技術與放電頻譜分析技術，成功開發台灣首部線切割加工工件厚度，預估技術適用於各種複雜斷面的產品加工。

2012 年 推出線性馬達 V500GL 機型進一步提升加工精密度。並成功推出遠端監控進階版系統，可透過 Wi-Fi 連結各機台並利用平板或手持智慧型電話連網監控。



Export Competitiveness

Since its inception, EXCETEK Technologies has engaged in research and development of various products and new technologies, and has been persistent in selling its own EXCETEK brand. Through the years, we have developed many wire cutting technologies and new inventions, which have been successfully marketed at home and abroad. The major events include:

- I. In 2006, we developed Taiwan's first controller with Windows XP based for CNC wire cutting machine, and launched it in Singaporean ISMEX's exhibition which had since successfully marketed the machine overseas.
- II. In 2007, we obtained the ISO 9001 certification, and in the same year, used high-frequency (Max 4Mhz) oscillatory discharge technology to develop wire cutting high-frequency fine finish technology that could reach a cutting surface roughness less than Ra0.1um on the processing surface, and greatly reduce the time needed for finish repair. That was a breakthrough of Taiwan's wire cutting bottleneck, leading Taiwan's products to compete in the European markets with European and Japanese major players of the wire cutting industries.
- III. In 2009, the whole series of products passed the British AMTRI certification and the whole series of wire cutting machines were conferred CE certification. In the same year, Taiwan's first wire cutting machine, coupled with automatic workpiece exchange system, that linked to a machining center, was launched; this machine capable of continual multi-mold automatic processing was exhibited in the 2009 Taipei International Machine Tools Exhibition.
- IV. In 2009, with the implementation of the governmental SBIR project, the company developed the wire cutting machine dedicated to the R2000 turbine engine. This machine was the world first innovative product, and was patented in Taiwan and the U.S. for new invention as well as in Germany for new design. With the four self-developed new technologies of six-axis controller, 2300mm-diameter CNC-controlled indexing plate, automatic discharge waste system, and high-speed machining power, this machine is mainly used for turbine engines in aerospace industry and for the processing of generator turbine wheels, allowing 24-hour non-stop processing. The machine has been successfully marketed in the European market.

In the same year, the wire cutting intelligent remote monitoring software was also developed, which allows simultaneously monitoring the status of 64 machines, and is capable of statistics and analysis of the utilization rates of the monitored machines, in addition to the remote processing scheduling and processing database sharing.

- V. In 2010, the company developed the world largest composite wire cutting machine V3280, which has the XY travel of 3200mm*2800mm, and is equipped with a dual-head eight-axis controller, capable of simultaneously processing a same workpiece to shorten the processing time. It can also combine with the Small Hole Drilling EDM to make a composite machine model for processing large molds. This machine has been successfully marketed in the European market.



核心管理：信賴、創新 精實生產效率高

精呈科技秉持的經營理念，首先是「信賴」：致力於組織、員工、客戶三者之信賴，以高優品質、領先技術、真誠服務，使顧客滿意就是信賴的見證。其次，「創新」技術決定公司未來成敗，因此引領需求、致力於產品的精進、未來產品的開發，將能提供顧客滿意的技術與服務。

在攸關營運良窳的財務管理方面，精呈科技以完善的財務及內控制度，自 2006 年設立至 2012 年，皆由勤業眾信會計師事務所查帳及出具財簽報告，並定期召開董事會，建立財務透明及安全的管理機制。最重要的是生產管理，精呈科技更推行了「精實生產體系」，與 ISO 9001 系統連結，確保生產的有效運作，並能持續改善，而在產品之產量、品質、成本、交期及人員之安全與士氣等均達成了各項要求目標。

至於 e 化管理方面，精呈科技建立了完整的 ERP、CRM、KM 及 HR 人資資訊系統，整合生產、研發、銷售及財務等資源用以發揮最大的管理效益。在人力發展上，非常重視員工的教育訓練規劃與實施方針，因而於 2011 年獲得了訓練品質評核系統 TTQS 企業機構版『銅牌』獎。



自創品牌 行銷世界

精呈科技以 EXCETEK 自創品牌行銷全球，並致力提升產品主要核心技術的差異化。為了滿足客戶需求，不但通過國際品質系統及安全規範認證，提供優質的售後服務體系及服務標準；並且重視研發團隊人才培育及創新技術知識累積，以保持在市場中的競爭力。此外，精呈科技更是重視良好的員工福利措施及完善的教育訓練，建立與員工互信互賴之良好關係。在未來的願景中，精呈科技亦堅持持續改善的精神，將加強品質意識、規範品質行為，為樹立企業良好品質風氣而努力。

得獎綜合評語

- 一、海外市場布局完整，銷售涵蓋區域廣，代理商遍及亞洲、歐洲、美洲、澳洲等 30 個國家，且主要外銷客戶穩定。
- 二、產品技術多自行研發，且技術門檻高，競爭者較少，並建立網路知識庫，提供良好售後服務，以技術及服務為其競爭強項，以自有品牌 EXCETEK 行銷產品，具有優秀的國際行銷策略。
- 三、重視信賴與創新的經營理念，強調公司、員工、客戶間的信賴，亦注重研發，逐年提升研發人員數量，新產品發展能力強，並取得多項國內外發明或專利，另在生產管理精實化及 ERP、EIP 的實施上亦擁有相當成效。
- 四、注重員工福利，積極培育人才，致力實踐人才為公司之本的理念；保持公司的競爭優勢，整合多項關鍵技術，產品性能及品質上已獲得肯定與口碑。

VI. In 2011, with the discharge energy density detection technology and discharge spectrum analysis technology, the company developed Taiwan's first wire cutting on workpiece thickness, and the technology is expected to be applicable to processing of various complex sections of products.

VII. In 2012, the company launched the linear motor V500GL to further improve the machining precision. Meanwhile, also launched was the advanced version of the remote monitoring software that allows connection with the monitored machines via Wi-Fi, and operators can use tablet PCs or smart phones to conduct network monitoring.

Operation Management

I. Business philosophy:

「Trust」 Dedicated to building trust among the corporate organization, employees and customers, and witnessing the trust by using the excellent quality, leading technologies and sincere services to acquire customer satisfaction.

「Innovation」 Technologies decide the company's future and navigate demands. We are devoted to product perfection, development of future products, and providing technologies and services for customer satisfaction.

II. Financial management: For a sound financial and internal audit system, from 2006 to 2012, we had commissioned the accounting firm Deloitte to audit and issue financial reports, and held regular meetings of the board of directors to establish a transparent and secure financial management mechanism.

III. Production management: We launched the "Precision Production System" which is linked to the ISO 9001 system to assure efficient production and continual improvement, so that the product quantity, quality, cost, delivery as well as the staff work safety and morale can be maintained and improved.

IV. The e-management: We have established complete ERP, CRM, KM, and HR systems to integrate the production, R&D, sales and financial resources so that the management efficacy can be best exerted.

V. Human development: We have attached great importance to staff training and planning. In 2011, we were awarded the enterprise bronze medal from the training quality evaluation system TTQS.

Enterprise Characteristics

- I. We take the self-developed EXCETEK brand to market in the world, and strive to maximize the niche of our core technologies.
- II. To meet customer satisfaction, we comply with international quality systems and safety regulations and provide excellent services that meet standards.
- III. We look to talent cultivation and knowledge accumulation so as to maintain competitiveness in the market.
- IV. With sound employee welfare and training, we build up mutual trust and interaction among the staff.
- V. We are persistent in making improvement, enhancing quality awareness, regulating quality behavior and setting up a good corporate quality culture.