



# 勤凱科技股份有限公司

AMPLE ELECTRONIC TECHNOLOGY CO., LTD.

負責人：曾聰乙  
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電話：07-7873287  
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推薦單位：中小企業信用保證基金  
營業項目：專業導電漿料之研究、開發、設計、製造及銷售  
產品名稱：銅漿、銀漿、銀鈀漿

Owner : Ty Tseng  
Address : No.32, Dayou 3rd St., Daliao Dist, Kaohsiung City, 831, Taiwan (R.O.C.)  
Tel : +886-7-7873287  
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Recommended by : Small&Medium Enterprise Credit Guarantee Fund of Taiwan  
Business Items : Research, development, design, manufacture and sales of professional conductive pastes  
Products : Copper Paste, Silver Paste, Silver Palladium Paste



(左) 董事長 曾聰乙先生  
Chairman : Mr. TY Tseng  
(右) 副總經理 莊淑媛小姐  
Vice General Manager :  
Ms. Angela Chuang



[www.ampletec.com.tw](http://www.ampletec.com.tw)



● 公司全景 Overall of Company



● 產品 Product



● 生產線作業情形 Production line



● 主管會議 Executive level meeting

勤凱科技成立於2007年6月，為專業導電漿材料製造公司，於2015年10月登錄興櫃。創辦人曾聰乙董事長帶領專業的研發團隊，透過卓越創新的材料技術，經過多年努力，目前為國內少數擁有自主研發能力導電漿料專業開發廠，也是目前在技術及研發能力上能與美日韓廠商相抗衡的專業導電漿料開發廠，並以自有品牌「ample」行銷全世界。

### 專業服務、創新研發、誠信務實

創辦人曾董事長擁有化學及材料背景，原任職於被動元件大廠，有感於被動元件中非常重要且關鍵原料之導電漿料均來自於美日等國，台灣完全無掌握如此關鍵之原料技術，於是萌生自行研發的念頭，希望將導電漿料製造技術留在國內。但因研發導電漿料必須與使用者做製程及技術上的討論，若於原任職公司成立部門從事此業務，客戶將與原任職公司係屬競爭對手，無法取得相關之技術，故自行創立勤凱科技股份有限公司，從事專業導電漿料之研發製造及銷售。

自公司成立以來，堅持以「專業服務、創新研發、誠信務實」的經營理念與「技術力、生產力、行銷力持續提升」的營運方針，積極滿足客戶的多元化需求。成立初期，即成功開發應用於被動元件之導電漿料，目前已有一定之市佔率，另對應用於IC電子封裝、觸控面板及矽晶太陽能電池等之導電漿料亦有一定之研發成果。

勤凱科技秉持著取之於社會，用之於社會的回饋理念，每年積極幫助許多弱勢團體，對社福機構定期捐款，為社會盡一份心力。

未來，仍將堅持專注核心技術提升及品質管控，提高產品附加價值，持續發展新材料技術，提供客製化服務，滿足客戶需求，創造公司價值。

### 根留台灣、永續經營、照顧員工福利

自成立以來即致力於產品品質、製程上精益求精，並且通過ISO9001:2015認證、ISO 14001:2015認證、歐盟RoHS認證等。在研發創新上，秉持著「服務、誠信、創新、合作」的

核心價值，配合客戶端需求，開發不同種類之導電漿料產品。

勤凱科技秉持著根留台灣之企業精神不斷在台投資，從研發、生產到成品皆在台灣完成，公司人員也皆進用台灣勞工。在員工福利方面，透過完善的專業課程，提供員工完整教育訓練，鼓勵員工不斷精進本職技能，並建立員工認股權、退休金提撥辦法等方式激勵員工，也積極響應政府政策為員工加薪，提供結婚、生育補助，建立兩性平等工作環境。

#### 創業甘苦談

導電漿料是集冶金、化工電子技術於一體的一種高技術電子功能材料，係被動元件、電子封裝、觸控面板、軟性電路薄膜按鍵開關及矽晶太陽能電池產業等領域之關鍵材料，因此客戶對產品測試的程序非常繁複及冗長，在沒有財團背景的支援下，除了資金的需求外，對客戶而言，要更換如此關鍵的原材料，甚至由美日大廠換成一家小企業，克服客戶心理門檻

並同意測試更是一大挑戰，在少許客戶認同應把這種關鍵材料留在台灣並同意測試是個很大的成就，客戶測試過程中，更必須戰戰兢兢的確認製程的每個步驟及產品品質不容許有絲毫的放鬆，透過不斷的與客戶討論，與來來回回的配方修改及進入至少三個月可靠度的測試，成功的拿到第一張少量的Trial order，更是一大鼓勵，這中間更體認到品質及服務是獲取客戶信任很重要的因素，也是董事長最要求自己及員工的一個項目。

#### 服務、誠信、創新、合作

勤凱科技核心價值在於材料配方的客製化設計，所包含的技術層次為有機化學、無機材料、細線印刷、高溫燒結、化學反應等，並對電子元件產業趨勢更小型化、更高容值、更耐溫、提升耐壓性及降低金屬使用等投入研發，且在產品上均有優異之表現，故能有效提升產品轉換效率，獲得國內、外大廠採用。▲



● 實驗室 Laboratory



● 各項認證、獎項、社會公益榮譽牆 Honor Wall





● 教育訓練 Training



● 運動會 Sport meet

Ample Electronic Technology Co., Ltd., founded in June 2007, is a specialized conductive paste manufacturing company listed on the Emerging Stock Board since October 2015. Leveraging the professional R&D team led by its founder Tseng Tsun-gi and its outstanding and innovative material technology, Ample has become one of the few specialized conductive paste manufacturers that can independently research and develop conductive pastes in Taiwan, on a par with companies from the US, Japan, and Korea. Ample sells its product worldwide with its self-owned brand “ample.”

#### **Professional Services, Innovative R&D, Integrity and Pragmatism**

The founder Tseng Tsun-gi has a chemistry and materials background. When initially he worked in a large-scale passive component company, he realized that the crucial material, conductive paste, for passive components all originated from overseas, such as the US and Japan, and Taiwan had no control over this material technology of such importance. This triggered the idea of independent R&D to keep the conductive paste manufacturing technologies in Taiwan. However, as R&D for conductive paste requires discussions on manufacturing procedures and technology, if he would set up a department to engage in such business at his former company, the customers would become the competitors to his former company, which would result in a failure to obtain related technologies. Therefore, he founded

Ample Electronic Technology Co., Ltd. on his own to engage in specialized R&D, manufacturing, and sales of conductive paste.

Since its establishment, our has adhered to the operation concept of “Professional Services, Innovative R&D, Integrity and Pragmatism” and the operating guideline of “Constant Enhancement of Technology, Productivity, Marketing,” proactively satisfying the diverse requirements of customers. At the initial stage, we successfully developed conductive paste used in passive components and gained a good level of market share. Furthermore, we achieved a certain level of results for the R&D of IC electronic packaging, touch screens, and silica polymorphssolar cells.

Ample Technology upholds to the returning concept of “Take from the Society & Give Back to the Society”, actively helps numerous minority groups, and regularly donates to social welfare organizations every year to contribute to the society.

In the future, we will keep up focusing on the improvement on our core technology and quality control, increase the added value for our products, continuously develop new material technologies, provide customized services to satisfy our customers’ needs and create company value.

#### **Staying Rooted in Taiwan, Sustainable Operation, Care for Employees’ Benefits**

Since the establishment, we have been committed to the excellence of our product quality

and manufacturing procedures, and we have passed the certifications of ISO 9001:2015, ISO 14001:2015, and EU RoHS. For R&D innovation, we uphold to the core value of “Service, Integrity, Innovation, Cooperation” to develop various types of conductive paste product according to the requirement from the customer end.

Ample Technology adheres to the enterprise spirit of stayed rooted in Taiwan and continuously invest in Taiwan. The stages from R&D, production, and finished goods are all completed in Taiwan, and all the employees of the company are Taiwanese. For employees’ benefits, we provide with comprehensive education and training through optimized professional courses, encourage our employees to improve their functions and skills continuously. We also set up employee option rights and a pension contribution scheme to give incentives to our employees, and actively respond to the governmental policies to provide raises, allowance for marriage and maternity, and create a working environment with gender equality.

#### Sweetness and Bitterness for Starting a Business

The conductive paste is a high-tech electronic functional material that is an integral part of metallurgy and chemical electronic technologies. It is a crucial material for passive components, electronic packaging, touch screens, flexible circuits, thin film, button switches, and silica polymorphsolar cell. Therefore, the product testing process of the customers is highly complicated and lengthy. With no support of a consortium in our background, except for capital requirements, overcoming psychological thresholds of our customers for them to agree on the

testing shall serve as the most significant challenge since the customer would have to change not only the crucial materials but also the supplier from the large-scale US or Japanese companies to a small enterprise. A few customers agreed that the material of such importance should be kept in Taiwan. Their consent for testing was a great achievement. During the testing process of customers, we must confirm every single step of our manufacturing procedures and the product quality with no loosening. Through constant discussion with customers, rounds and rounds of revision the formulation, and conducting reliability tests for at least three months, we successfully obtained a first trial order for a small amount, which was a strong encouragement to us. Also, during such processes, we realize that quality and service are significant factors to winning the customers' trust, and we demand this from the chairman himself and all employees.

#### Service, Integrity, Innovation, Cooperation

The core value of Ample Technology is its customized design of the material formulation, which includes technical aspects of organic chemistry, inorganic materials, fine line printing, high-temperature sintering, and chemical reactions. We also invest in the R&D for the trend of downsizing, high capacity, temperature resistance, increased pressure resistance, and metal reduction in the electronic component industry. We have achieved brilliant results with our products, and have effectively improved the transfer efficiency of our products such that large-scale companies adopt such products at home and abroad. ▲



為國內少數擁有自主研發能力導電漿料專業開發廠，重視品質技術及服務，配合客戶提供客製化產品，並以自有品牌「ample」行銷全球。勤凱堅持根留台灣，著重企業責任和團隊合作，年年讓員工分紅轉增資，利潤共享，值得肯定。

Ample, one of the few professional developers of conductive paste with the capability of self-development in Taiwan, focuses on quality technology and services, works with customers to provide customized products and sells the private brand “Ample” all over the world. Ample Electronic keeps core technologies in Taiwan and stresses corporate responsibility and teamwork. Each year, Ample increases capital by employee bonus and shares the profit with employees. Ample truly deserves recognition.