



優質製造 美好生活
Better Manufacturing Better Life



長興材料
ETERNAL MATERIALS

Element of Infinite Possibilities



目錄 Index

Corporate Philosophy	02	經營理念
Corporate Culture	03	企業文化
Vision	04	願景
Social Responsibility	06	社會責任
Innovation	08	創新
Technology	10	技術
Resins Materials	13	合成樹脂產品
Coatings Resins	14	塗料樹脂
New Products	15	新產品
Unsaturated Polyester Resins	16	不飽和聚酯樹脂
High Performance Materials	21	特用材料產品
Acrylate Monomers & Acrylate Oligomers	22	丙烯酸酯單體 & 丙烯酸酯低聚物
Specialty Coatings	25	特殊塗料
Adhesive Materials	27	膠黏劑材料
Silicone-base Materials	29	有機矽相關材料
Electronic Materials	33	電子材料產品
Laminate Materials	34	積層材料
Photoresist Materials and Toll Coating Service	35	光阻材料 & 精密塗佈代工
Vacuum Laminator	37	真空壓膜機
Biomedical Materials	41	生醫材料產品
In Vitro Detection (IVD) Reagents	42	體外檢測試劑
Biomedical Materials	43	生醫原料
Chronology	44	長興大事紀
Global Service Network	48	全球銷售據點

經營理念

- 製造最優質產品服務客戶
- 用心照顧員工福利
- 保障股東權益
- 尊重利害關係人權益，強化各項公司治理制度
- 善盡企業社會責任



Corporate Philosophy

- We provide our customers with dedicated service and high quality.
- We care about the welfare of our employees.
- We strive to ensure the shareholders' rights.
- We respect the rights of the stakeholder and strengthen corporate governance.
- We are devoted to corporate social responsibility.





企業文化

- 守法、守信、守德（公德、道德、品德）
- 回饋社會
- 創造整潔優美的工作環境

Corporate Culture

- We are a law-abiding company that honors promises and values morality.
- We contribute to society.
- We provide a clean and pleasant work environment.





願景

扎根台灣 立足亞洲 胸懷世界

「研究與創新」是長興公司藉以持續成長的主因。我們致力於技術開發與提升，無時不以「品質、信譽、創新、服務」為信念，發展更多優良產品，實現永續成長、技術領先的理念。

「長遠規劃未來，興創世界品牌」，我們放眼於更寬廣的國際視野，於全球重點市場努力深耕，矢志成為世界級材料供應商。

展望未來，面對全球激烈競爭的環境，我們將不斷追求自我突破與成長，並以十足信心與能力去迎接新的挑戰，再創成長新高峰。

Vision

Rooted in Taiwan, Based in Asia, Embrace the World

“Research and Innovation” form the impetus for Eternal's rapid growth. We are committed to technological development, while upholding our core values of “quality, reputation, innovation, and service”. We aim to develop quality products, serve society, and sustain growth with forward-thinking technology.

Our Chinese name literally means, “longstanding” and “flourishing”. The name conveys our vision: a long-term plan that builds Eternal into a respected global brand and world-class material supplier in key markets around the planet.

Looking forward, Eternal seeks to achieve successive breakthroughs and exponential growth despite and amid intense global competition. We are fully confident in our mission and firmly believe we have the competency to withstand any challenges ahead

社會責任

長興秉持永續成長的經營理念，不斷地在企業中塑造守法、守信、守德(公德、道德、品德)、回饋社會、創造整潔優美工作環境的企業文化。為了善盡環保責任，我們不但投入龐大經費進行設備投資及改善，並積極研發對環境友善的綠色產品，使其對環境的衝擊降到最低。在安全管理方面，長興一向極為重視職業安全衛生及消防，除了不斷檢討改善製程本質之安全性外，並定期舉辦教育訓練，將相關知識全面落實

於工作環境中。

「員工」是企業重要的資產，長興除遵守各項勞動法令規章，更致力於照護員工身心之健康，不斷地檢討各項員工福利措施及進修訓練制度，以維持良好的互動機制並促進勞資關係和諧。

長興以「公司治理」、「社會公益」及「環境保護」等三大領域持續自我審視，永不間斷履行對利害關係人之責任。





Social Responsibility

Eternal persists on the operating principles, as well as sustainable growth, constantly establishing the corporate culture including law-abiding, keeping promises and morality (social morals, ethic morals, and individual morals); contributing to the society, and beautifying the work environment.

In order to dedicate in the responsibility of environmental protection, we have not only devoted significant amount of budget to conduct facility investment and enhancement, but also actively develops green products which are friendly to the environment, allowing their impacts on the environment to be reduced to the minimum.

As for the aspect of safety management, Eternal has always valued industrial safety and hygiene, as well as fire controls. In addition to constantly reviewing to improve the safety of the production,

we also organize educational trainings on a regular basis, so as to implement all relevant knowledge into the work environment.

“Employee” is a vital asset to the enterprise, and besides obeying the various labor regulations, Eternal further devotes in taking care of the employees’ body as well as mind health, constantly reviewing the various employees’ welfares as well as educational training system, so as to maintain excellent interactive system and stimulate the harmonious relationship between the employees and the employer.

Eternal continuously review itself through the three major fields of “Corporate Governance”, “Welfare” and “Environmental Protection”, thereby fulfilling its responsibilities towards the stakeholder.

創新

以創新與研究為基礎

持續不斷的創新與研發，是長久以來支持長興穩定成長的最大力量。我們擁有亞太地區領先的研究團隊，優異的人才以及先進卓越的實驗儀器與設備，是長興研發團隊維持技術領先優勢的主要因素。

核心技術能力

由於長期的投注研發，使得長興擁有走在時代尖端的技術，並在業界維持領先優勢。長興的核心技術能力包括高分子合成、配方技術、應用技術、材料分析技術及製程技術。成功地運用核心技術優勢，已使長興由傳統的樹脂產業，轉型為高科技產業製程原料專業供應商。





Innovation

Innovative and Technology Based

Eternal is an innovative and technology-based company. Eternal's solid growth has been supported by continuous innovation & technological improvements. Outstanding personnel, great lab equipment and facilities make us one of Asia's leading research teams.

Core Competencies

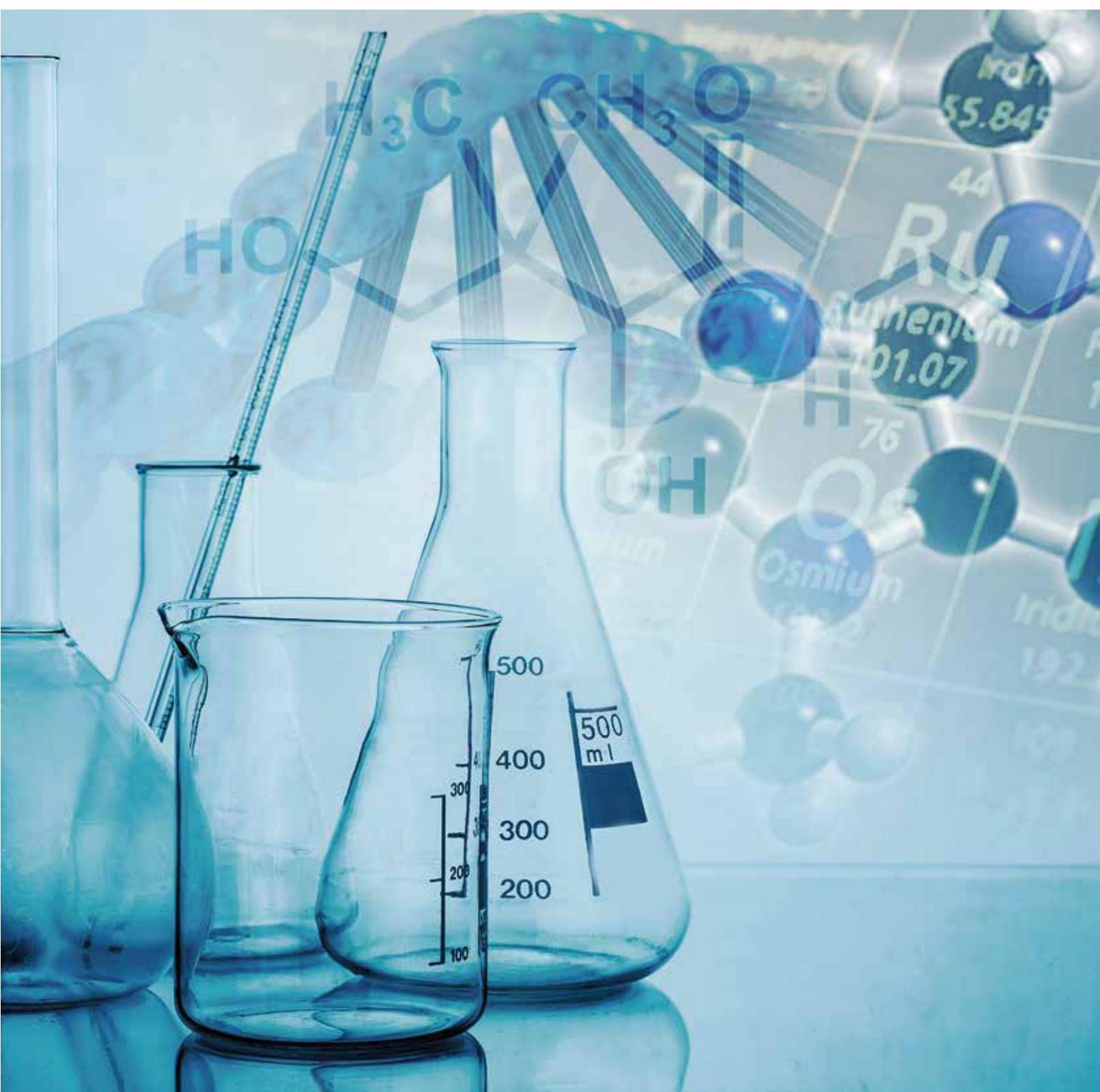
Eternal focuses on R&D and our cutting edge technology keeps us at the top of our field. Our core competencies include: polymer synthesis, chemical formulation and material analysis and precision process technology and nanodispersion technology. Successfully employing core technology advantages, Eternal has transformed itself from a traditional resin supplier into a supplier highly specialized in high-tech manufacturing process.

技術

長興的研發成果屢獲國內各界肯定。特殊單體、乾膜光阻及影像材料之研發成果於1990、1992、1997年獲得中華民國全國工業總會評選為『新產品開發績優廠商』；此外，長興於1994、1995年分別榮獲經濟部頒發之產業科技發展『優等獎』及『傑出獎』，2001年更獲頒最高榮譽的『卓越成就獎』。並於2007年獲得經濟部『奈米科技菁英獎』、2010年榮獲第18屆經濟部產業科技獎－『傑出創新企業獎』。2013獲得經濟部『卓越中堅企業』獎，2018及2022年以新型水性UV/LED 固化材料、Mini LED顯示器/背光源用之矽膠封裝材料榮獲台灣化學產業協會菁英獎暨產品創新獎及2023 年獲行政院環境保護署第3屆『綠色化學應用及創新獎』(綠色安全替代類)。

Technology

Eternal's R&D achievement is recognized by industries nation-wide. In 1990, 1992 and 1997, Eternal was awarded for excellent supplier in New Product Development by Chinese National Federation of Industries in the field of special monomers, dry film photoresist and image materials, respectively. In 1994 and 1995, Eternal won Outstanding Award for Industrial Technology Advancement and Most Outstanding Award for Industrial Technology Advancement granted by the Ministry of Economic Affairs. And in 2001, again, Eternal won Distinguished Award for Industrial Technology Advancement, the highest honor of this award, Innovation award of Taiwan nanotechnology (Industry Award) in 2007 (by Taiwan Nanotechnology Industry Development Association), and Taiwan 18th Industrial Technology Advancement Award-Outstanding Enterprise Innovation Award in 2010. Eternal also won the Taiwan Mittelstand Award presented by the Ministry of Economic Affairs in 2013. The Company was honored with a team award in the corporate team category at the 11th Technology Management Awards by the Chinese Society for Management of Technology in 2018. In 2020、2022, our water-based UV/LED curing material and Silicone Encapsulation material of Mini LED monitor/backlight 、was recognized with a Taiwan Chemical Industry Association Elite and Product Innovation Award. Besides, Eternal was honored with Safety Substitution of Green Chemistry Application and Innovation Award by Chemicals Administration Ministry of Environment.

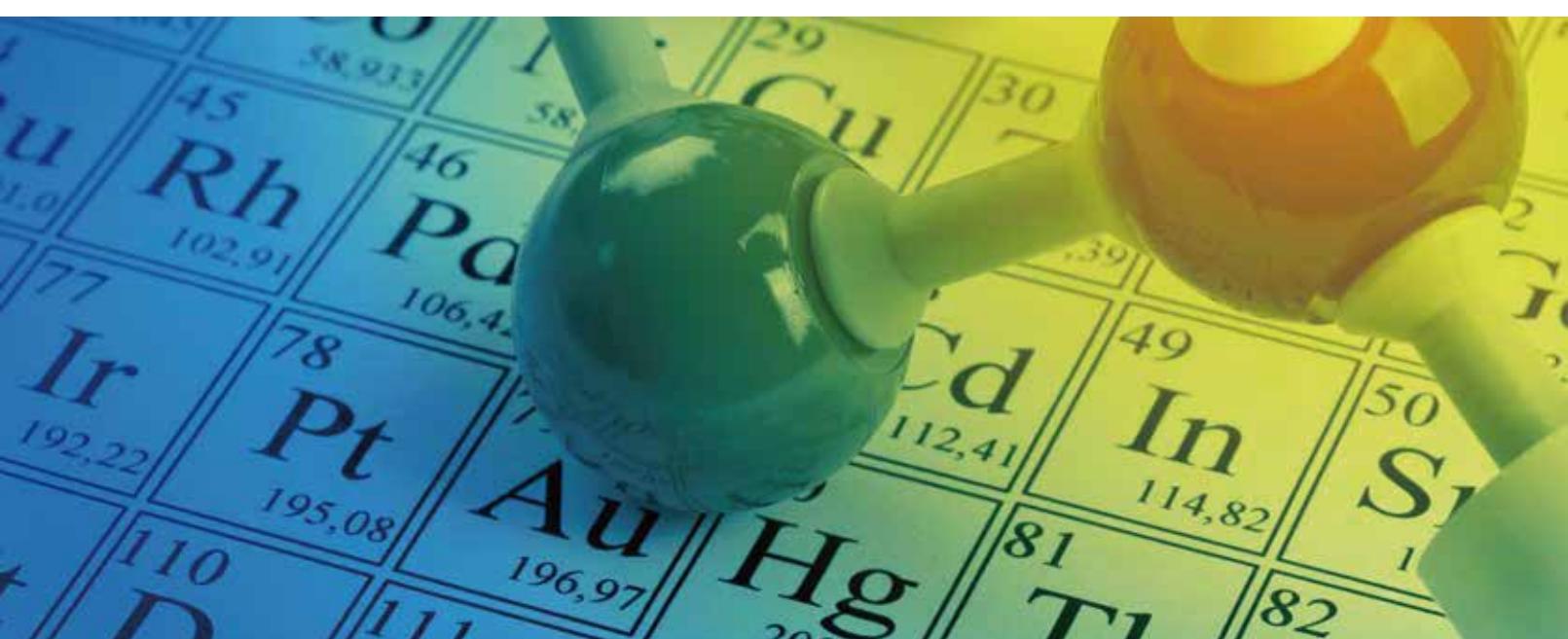


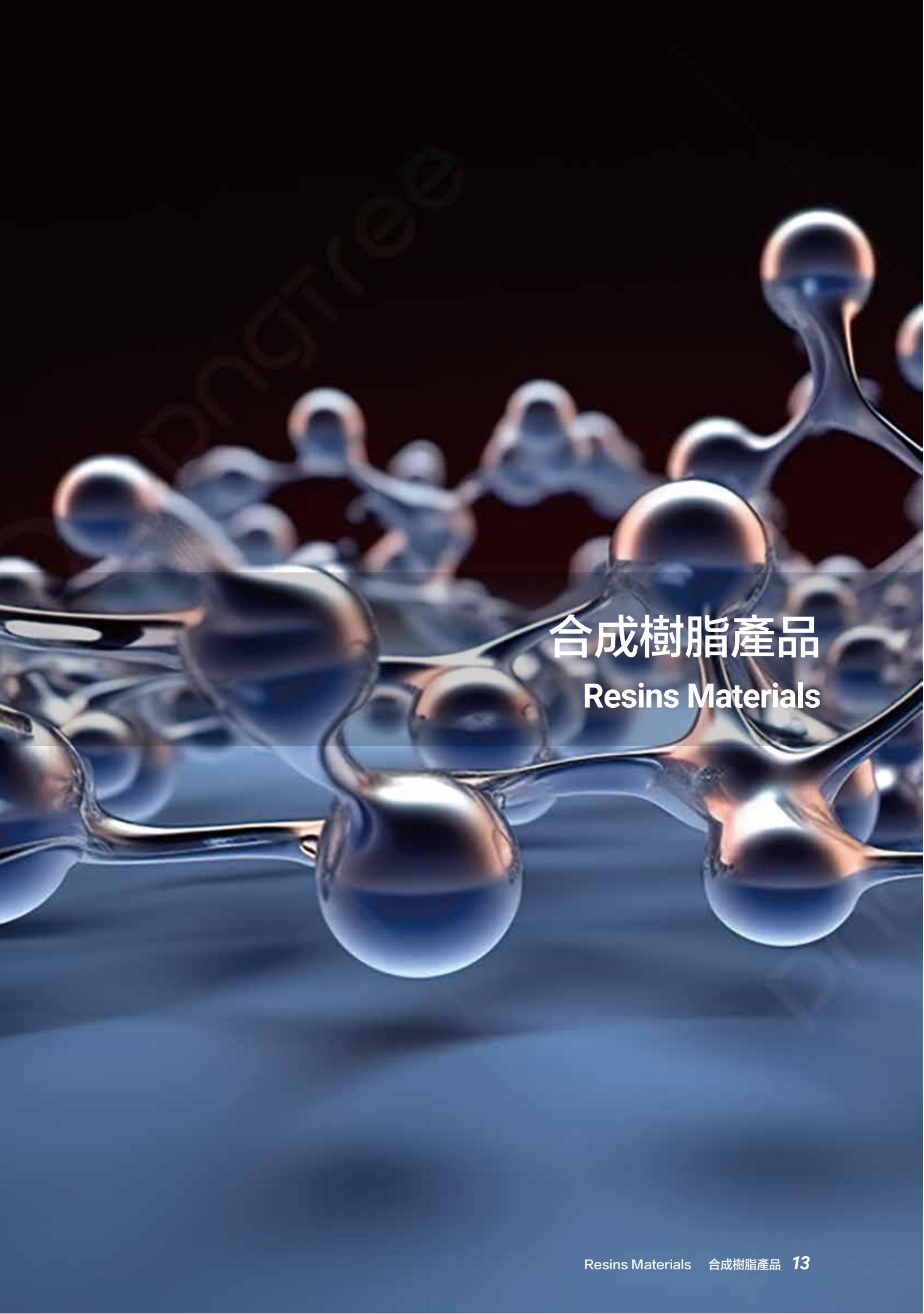
技術藍圖

長興技術藍圖的目標，是鞏固我們在亞太特殊化學品產業的領導地位。我們的技術藍圖開始於功能性高分子市場，接著逐步開發擴展至電路板、半導體及液晶顯示器用電子化學材料相關市場。並在新產業領域的擴展上包括綠能/儲能材料、軟性電子材料、先進構裝材料、生醫材料、高性能工程塑膠等相關材料也是全力發展，長興在技術上都能夠伴隨產業的腳步保持高度的活力與成長。

Our Technology Roadmap

Our technology roadmap aims to establish us even more firmly as a global player in the specialty chemical market. Our roadmap begins with functional polymers, and then successfully expands to electronics industry-specific chemical materials for Circuit Boards, Semiconductor and LCD markets, now developing new chemical materials for Green energy/Energy storage materials, Flexible electronics materials, Advanced packaging materials, Biomaterials and High performance engineering plastics market. Our technology always maintains great vigor and growth with industrial footsteps.





合成樹脂產品
Resins Materials

合成樹脂產品 Resins Materials

塗料樹脂

長興研發生產各類水性及油性塗料樹脂包括：醇酸樹脂、丙烯酸樹脂、水性乳液、飽和聚酯樹脂、酚醛樹脂、氟碳樹脂、氨基樹脂、壓克力微球等，完整且專業的塗料樹脂研發團隊，可配合客戶要求客製化產品。

產品應用範圍

塗料樹脂應用於各類型塗料製作，含建築塗料、防水塗料、木器塗料、汽車塗料、汽車修補漆塗料、捲鋼及罐裝塗料、一般工業塗料、塑件塗料、船舶與保護塗料等。

Coatings Resins

To comply with the trend and customer requirements, Eternal keeps developing new materials and their related applications, including water-based and solvent-based coating resins, such as Alkyd resins, Acrylic resins, Oil-free polyester, Fluorocarbons resins, Amino resins, Phenolic resins. In addition, eternal also develop products for specifically targeted industries.

Applications

Typical applications in coating include Architectural, Decorative, Wood coatings, Industrial coatings, Can coatings, Coil coatings, Automotive coatings, Marine and protective coatings, etc.



新產品

持續開發衍生產品以因應產業趨勢與客戶需求。包含水性聚氨酯樹脂，油性PU、高分子量聚酯、光觸媒樹脂、導電性高分子、聚酯多元醇樹酯，另外積極開發針對特定用途使用的特殊膠黏劑產品。



產品應用範圍

鋼板類應用：鋼板用抗指紋漆、捲鋼與製罐塗料、塑料膜與鋼板貼合

紡織類應用：紡織膠漿、鞋材油墨、紡織品貼合

皮革類應用：合成革塗飾與接著、天然革塗飾

膜材類應用：預塗膜、真空吸塑、抗靜電膜材

太陽能板產業：太陽能背板接著劑、太陽能板玻璃自潔塗層

油墨類應用：一般油墨、自消光油墨

聚酯多元醇樹酯可應用於製造聚氨酯接著劑、熱塑型聚氨酯樹脂、水性聚氨酯樹脂等

New Products

Eternal keep developing new products for different applications, including water-based polyurethane dispersion, high molecular weight polyester, polyurethane resins, photo-catalyst resins, conductive polymer PEDOT, polyester polyol and adhesive products for specific applications.

Applications

Steel industry : Anti-finger paint, can and coating industry

Textile industry : Textile printing ink, lamination

Leather industry : Surface treatment and adhesive for synthetic and natural leather

Film industry : Pre-coated film, vacuum forming adhesive, anti-static film

PV industry : PV back-sheet adhesive, PV glass self-cleaning coating

Ink : Clear or self-matting vanish

Polyester polyol for PU adhesives, thermoplastic polyurethane (TPU), water-based polyurethane dispersion (PUD).

不飽和聚酯樹脂

長興生產不飽和聚酯樹脂超過50年，產品線完整，涵蓋各種不飽和聚酯樹脂的應用領域，此外也生產乙
烯基酯樹脂、環氧配方樹脂、阻燃樹脂、結構膠、PU發泡用聚酯多元醇等樹脂材料。近期開發熱塑複合材料。

長興擁有精良的研發團隊，所研發之多項產品已獲勞氏、DNV、NK等國際機構認證；藉由精確的行銷策略與完善的售後服務，本產品已成為國內領導品牌，更行銷全球三十餘國。



產品應用範圍

不飽和聚酯樹脂應用範圍包括：

- (1)補土
- (2)遊艇/船舶
- (3)鈕釦
- (4)注型
- (5)耐化學性FRP
- (6)浪板

(7)化妝板

(8)膠殼

(9)手積層或噴塗成型FRP

(10)模壓/拉擠/纏繞成型FRP

(11)樹脂混凝土

(12)SMC/BMC

(13)表面塗佈

(14)人造大理石

乙烯基樹脂應用範圍包括：

- (1)耐酸桶槽/管件/內襯
- (2)電解槽/電鍍槽
- (3)玻璃鱗片/膠泥
- (4)廢氣回收塔/脫硫/煙塔合一
- (5)煙囪/煙道
- (6)儲油槽內襯
- (7)食品工業儲罐
- (8)防腐蝕地坪
- (9)遊艇等。

以長興結構膠做黏結除了可提供優異的黏結強度以及韌性，同時也提供良好的抗震效果。

聚酯多元醇應用範圍包括：

- (1)建築物隔熱材
- (2)隔音設備
- (3)屋頂隔熱材
- (4)化學槽/儲油槽/冷凍庫/遠洋漁船/液態氨儲存槽
保冷材

熱塑複合材料應用範圍包括：

- (1)自行車
- (2)運動器材
- (3)3C部件
- (4)汽車部件
- (5)無人機部件

配方環氧樹脂應用範圍包括：

- (1)工業用品：如機械手臂、高壓氣瓶、電線纜芯等
- (2)運動器材：如自行車、球拍、球竿、釣竿、滑雪板、衝浪板等
- (3)航太部件：如無人機、雷達罩
- (4)民生用品：如行李箱、傢俱、3C外殼
- (5)建築材料：如土木補強材、水塔等
- (6)交通用品：如汽機車零配件

阻燃樹脂應用範圍包括：

- (1)鐵路客車車廂內裝板
- (2)浪板
- (3)建築物外觀件
- (4)船舶等要求阻燃特性的FRP產品。

結構膠應用範圍包括：

船舶業 / 複合材料管道業 / 軌道交通業…等需要異種材料接著工法之行業。長興結構膠產品具有優異的斷裂延伸率、韌性、耐衝擊性及高強度黏結性，具有高抗垂流度，適合在非水平面或垂直面時施工。其對金屬材質以及複合材料間的黏結強度極佳。



Unsaturated Polyester Resins

Eternal has experienced in unsaturated polyester resins field for over 50 years, and our product cover most application in the market. On the base of unsaturated polyester resin, we further expand our product portfolio and now we are also a key supplier of vinyl ester resin, epoxy system, fire retardant resin, structural adhesive and polyester polyol. Thermoplastic composite materials are under development. With long-term commitment in supplying competitive and consistent quality products, our products have met stringent domestic and international quality standards, including Lloyd's, DNV and NK, and export to over 30 countries worldwide.

Applications

Application of unsaturated polyester includes:

- (1)Automotive putty
- (2)Boats and yachts
- (3)Button
- (4)Casting
- (5)Chemical resistant FRP
- (6)Corrugated sheet
- (7)Decorative panel
- (8)Gel coat
- (9)Hand lay-up and spray-up
- (10)Press mold
- (11)Resin concrete
- (12)SMC/BMC

- (13)Surface and coating

- (14)Synthetic marble.

Application of vinyl ester resin includes:

- (1)Swimming pool
- (2)Boats/Yachts
- (3)Anti-overflow embankment
- (4)Anti-corrosion mortar floor, pipe, lining, chess slab
- (5)Crude Oil tank lining
- (6)Electrolyte Tank
- (7)Chemical storage tank
- (8)FGD process pipe/Spray lining
- (9)Anti-corrosion exhaust chemistry & waste gas



treatment tank.

Application of epoxy system includes:

- (1)Industrial supplies: mechanical arms, high-pressure cylinders, electrical cable core
- (2)Sports: bicycles, rackets, bat , fishing rod, sports board
- (3)Aerospace: unmanned aerial vehicles, radome
- (4)Consumer goods: luggage, furniture, 3C goods
- (5)Construction: civil engineering, water towers
- (6)Transport industry: automotive, motorcycle spare parts, etc.

Application of fire retardant resin includes:

- (1)Train interior panel
- (2)Corrugated sheet
- (3)Building materials
- (4)Boats/Yachts and other FRP product where fire retardant property is necessary.

Application of structural adhesive includes:

Marine, composite industrials, transportation areas which have different materials bonding demand. Eternal structural adhesive possesses high elongation, toughness, high impact strength properties. The anti-sagging properties can be applied on non-horizontal or vertical surface application, suitable for two distinct structural complementary substances. Besides excellent static bonding strength, it can also provide very good anti-seismic property especially metals and nonmetallic adhesive materials for long-term and reliable adhesion.

Application of polyester polyol includes:

- (1)Thermal insulation PU foam
- (2)Acoustic insulation PU foam
- (3)Roofing panel
- (4)Refrigerator insulation materials and etc.

Application of thermoplastic composite materials includes:

- (1)Bike
- (2)Sports good
- (3)3C accessories
- (4)Automobile accessories
- (5)Drone parts



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特用材料產品

High Performance Materials

特用材料產品 High Performance Materials

丙烯酸酯單體 & 丙烯酸酯低聚物

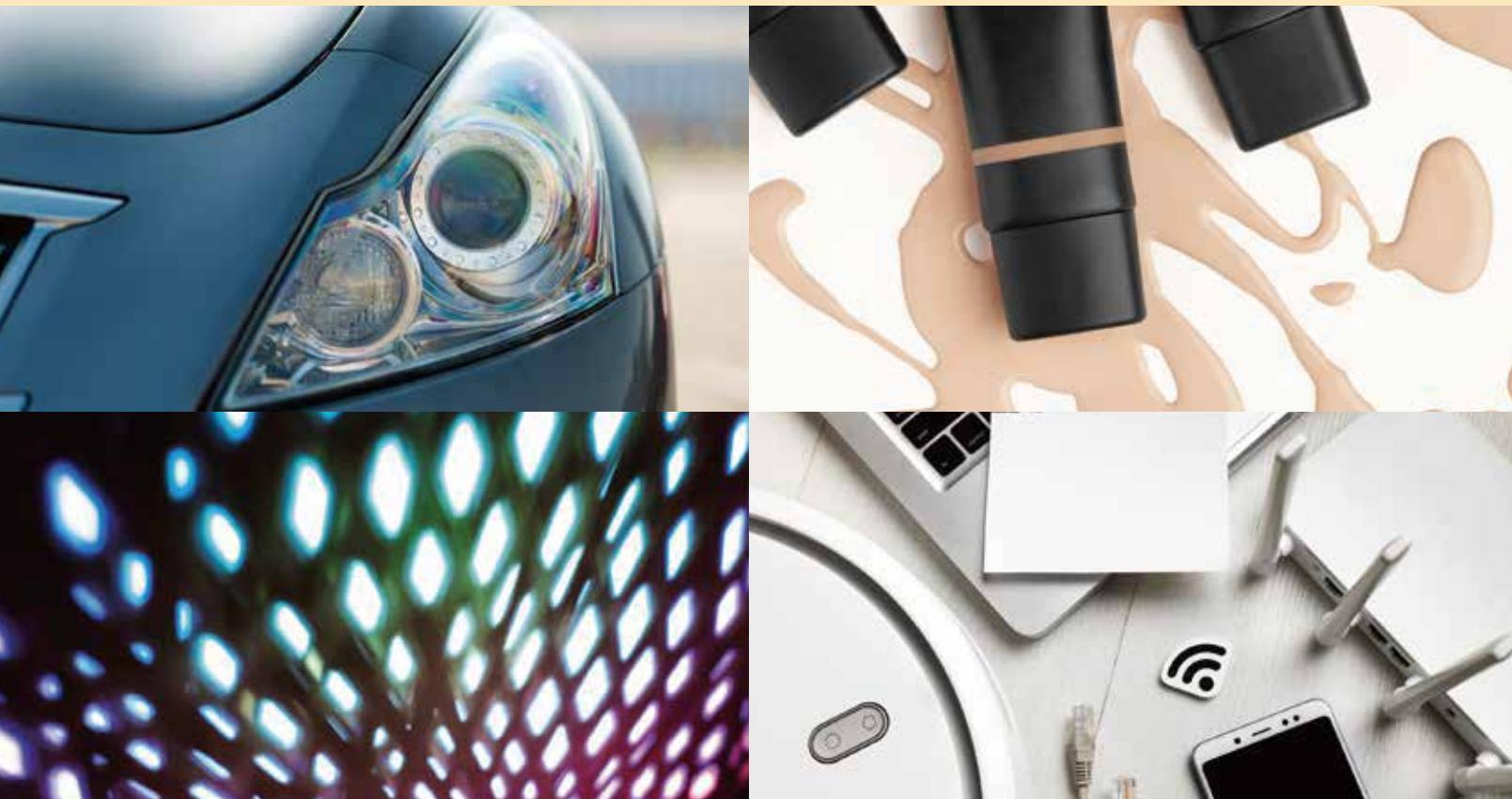
各類丙烯酸酯單體，包含單官能基單體、二官能基單體、三官能基單體、高官能基單體、高折射率單體、乙氧化或丙氧化第二代單體、己內酯化高官能基單體、剛性單體、無甲苯單體、柔韌單體、生質材料單體等。

目前產品種類齊全，可依據不同客戶要求規格、特性，提供最完美適當之產品服務，並根據市場發展趨勢不斷開發各種特殊單體，以滿足不同應用產業者的技術挑戰。現有台灣路竹廠、大陸珠海廠及大陸蘇州廠三廠生產供應，搭配專屬全自動控制生產設備，產能已為亞洲之冠。

各類(甲基)丙烯酸酯類低聚物，包括(1)改性環氧丙烯酸酯(2)聚氨酯丙烯酸酯(3)聚酯丙烯酸酯(4)聚醚丙烯酸酯(5)純丙烯酸樹脂(6)超支化樹脂(7)水性樹脂(8)有機-無機雜化材料(9)反應型助引發劑(10)彈性樹脂(11)有機矽改性丙烯酸酯(12)特殊基材附著促進劑(13)消光樹脂等。

公司更整合數十年來不同事業部生產與技術經驗，投入大量研發人力及儀器設備，開發具有獨特技術之優異性能及滿足不同市場應用需求的各類型低聚物產品，並已取得各項品質認證(如:ISO 9001/ISO 14001/ISO 14064-1/CNS 15506/ISO 45001)及參與REACH/TSCA等相關產品認證事宜，以因應國際間不同地區及各國環保法規之品質要求。





Acrylate Monomers & Acrylate Oligomers

A broad range of products including (1) mono-functional monomers, (2) di-functional monomers, (3) tri-functional monomers, (4) multi-functional monomers, (5) Monomers with high refractive index, (6) ethoxylated or propoxylated modified monomers (i.e. The 2nd generation monomers), (7) caprolactone modified acrylate monomers, (8) monomers with stiff and rigid skeleton, (9) toluene-free process's monomers, (10) high flexible monomers, (11) monomers from bio-renewable materials, etc.

We have various acrylate monomers that could provide high-quality products and different specifications to satisfy customer's needs. Besides, we also keep developing the market-oriented new products. There are three production sites, Luzhu plant in Taiwan and both Zhuhai and Suzhou plant in China, which support the sufficiency capacity to supply customers in the world and become a leader in Asia.

Eternal also provides various types of UV-curable

acrylate oligomers, including (1) modified epoxy acrylates, (2) polyurethane acrylates, (3) polyester acrylates, (4) polyether acrylates, (5) full-acrylic resins, (6) hyperbranched polyester acrylates, (7) water-borne PUD acrylates, (8) organic-inorganic hybrid materials, (9) reactive amine synergists, (10) self-healing acrylates, (11) silicone modified acrylates, (12) adhesion promoter on various substrate, (13) oligomers for UV matting application, etc.

With outstanding production and R&D inputs for decades, Eternal has integrated the technologies among the Business Groups and built up a unique application database successfully. To be qualified by the markets' requirements, Eternal nowadays is not only certificated by ISO 9001/ISO 14001/ISO 14064-1/CNS 15506/ISO 45001 but also made our efforts to comply with the Chemical regulation (REACH, TSCA, etc.). In view of the above, our products have earned good reliability among our worldwide customers.

產品應用範圍

本公司生產的特殊(甲基)丙烯酸酯類單體(Acrylate Monomers)、丙烯酸酯低聚物 (Acrylate Oligomers)、反應型助引發劑 (Reactive Amine Synergists / Co-initiators)等系列產品，主要應用在各種紙材上光油(UV OPV)、木器底/面漆、塑料噴塗面漆(尤其3C及手機UV面漆)或Hardcoat、塑料真空電鍍底/面漆、CD保護光油、DVD粘合膠、光纖塗料及其油墨、各種印刷油墨(凹版、柔印、平版、網印或噴墨等)、PCB用乾膜/濕膜光刻膠或防焊綠漆、LCD用彩色光阻劑或各種光學膜塗層(增亮膜、擴散膜、硬化塗層等)、光療指甲油及其他特殊用途(例如: 熱塑性塑膠改性添加劑、紡織漿料改性添加劑、橡膠交聯劑、3D快速成型樹脂、光學鏡片成型、奈米壓印等)。

UV固化產品的應用極為廣泛，不僅包括傳統塗料、油墨，更早已跨足3C電子產業、LCD/LED光學產業、觸控產業及3D列印產業等，更隨著新行業誕生，不斷地拓展UV技術的應用領域。

Applications

Main applications of Eternal's photo-curable acrylate monomers and oligomers are including UV/LED clear overprint varnish on paper and board (UV OPV), UV sanding sealer/primer and topcoats on wood-floor and parquet, UV hardcoat for 3C application, UV VM coating on plastics, CD protective coatings and DVD bonding glue, UV coatings and inks on optical fiber, UV printing inks (e.g. gravure, flexo, offset, screen, and inkjet printing), gel nail polish, other specialty applications (e.g. Thermal plastic modifier, Texture sizing modifier, The cross-linker for rubber, 3D rapid prototyping resin, Optical molding lens, nanoimprinting, etc.).

The applications of photo-curing technology are extremely widespread to various industries such as coatings, ink, photore sist and, electrics, optics, touch panel, and 3D printing. With the appearance of new UV technology, it will be constantly expanding more applications in near future.



特殊塗料

由於紫外線光固化技術具有節省能源耗用，不含溶劑、低污染、易建立高效率自動化生產線降低成本，應用性能優異，是極具潛力的應用技術。特殊塗料以「UV 應用產品塗料」及「UV型真空電鍍塗料」二大產品線為主軸，持續開發市場如3D列印以及電子轉印膠…等，其他應用面需求的產品。

Specialty Coatings

UV-curing system is a promising application technology with solid benefits including energy saving, low environmental pollution, cost-saving over highly automated production systems, and outstanding application potential. Specialty Coatings focuses on the two product lines of "UV application product coatings" and "UV type vacuum metalizing coatings", and continues to develop markets such as 3D printing and electronic embossing coating... and other products that meet other application needs.

產品應用範圍

UV印刷塗料：

- (1)用於各類紙品上光，如標籤紙、書籍月曆封面、雜誌、煙酒紙，以及各種包裝盒、手提袋等紙類的上光。
- (2)相關塗料，例如：PVC地板、PVC扣板、PE軟管、金銀卡紙、轉寫紙…等之表面塗料。

真空電鍍及濺鍍底面漆：包括UV真空電鍍及濺鍍底面漆，熱固型真空電鍍塗料。

- (1)化妝品行業：化妝瓶蓋、粉餅盒…等各種製品。
- (2)3C行業：手機外殼、按鍵、筆記型電腦、及家用電器…等各種製品。

車燈塗料：包括UV真空電鍍及濺鍍底面漆，熱固型真空電鍍塗料。

- (1)BMC、PBT、PC、ABS材質UV真空電鍍底面漆。
- (2)BMC、PBT、PC、ABS材質熱固型真空電鍍底面漆。

薄膜塗料：包括UV薄膜塗料及熱固型薄膜塗料。

- (1)光學膜：偏光膜、擴散膜、增亮膜塗料。
- (2)加硬膜(PET,PMMA,PC強化)：汽車隔熱膜、保護貼、觸控面板塗料。
- (3)真空電鍍膜：雷射膜、煙酒包裝膜、家電膜塗料。
- (4)熱固型薄膜：金銀絲、轉寫紙…等之表面塗料。

有色塗料：包括UV塗料及熱固型塗料。

- (1)塑膠塗料應用於3C(AC、PU)手機外殼、筆記型電腦之色漆。
- (2)鎂鋁合金塗料(底漆、面漆、金油)應用於手機外殼、筆記型電腦之色漆。
- (3)其他特殊塗料（如防手汗及強化液）等。

光盤塗料：光碟片之CD/DVD/CD-R/DVD-R/BD列產品之保護膠及黏合膠。

UV型金屬塗料：卷鋼塗料、罐體塗料、雨刷等金屬塗料。

Applications

UV printable ink and coating:

- (1)Labeling, Art paper, Magazine, Handbag cigarette & Wine packaging.
- (2)PVC floor, PVC sheet, PE tube, Hot stamping paper, Transfer print paper, etc.

Vacuum Metallization & Sputtering Coating:

Include UV vacuum metallization & Sputtering primer & Top Coating; Thermal vacuum metallization & Sputtering coating.

- (1)Cosmetic industry: cosmetic containers and covers etc.
- (2)Electronic industry: Mobile phone Case/Key pad/Laptop/Household Appliances etc.

Coatings for Car Lamp:

- (1)UV-curable heat-resistant vacuum metalizing basecoat and topcoat applied to car lamp substrate including ABS、PC、PBT and BMC.
- (2)Thermally curable heat-resistant vacuum metalizing basecoat and topcoat applied to car lamp substrate including ABS、PC、PBT and BMC.

Film coating: UV Film Coating & Thermal Setting

- (1)Optical film: polarizing film, diffusion barrier, and brightness enhancement film.

(2)PET, PMMA, PC enhanced film: Automobile heat-insulating film, protective film, and touch panel coating.

(3)VM film: laser film, cigarette & wine package film, and appliances coating.

(4)Thermal setting: metallic, decalcomania paper surface coating.

Color coating: including photo-type and thermal-type coatings

- (1)Color coating on plastic substrates of mobile phones and laptops etc.
- (2)Color coating on Mg-Al substrate (primer, color coating, varnish) is applied on mobile phones and laptops.

(3)Other specialty coatings (such as anti-hand perspiration and hard coating).

Optical disc coating: CD/CD-R Lacquer& DVD/D-VD-R Bonding glue, BD cover layer/ hard coating.

UV type of metal coating: UV pipe coating, can coating, and coil coating.



膠黏劑材料

膠黏劑材料研發生產主要以「丙烯酸壓敏膠」及「功能型黏著膠」兩大產品線為主軸，包含油性丙烯酸壓敏膠、水性丙烯酸壓敏膠、油性聚氨酯壓敏膠、濕氣固化聚氨酯膠、UV丙烯酸壓敏膠、UV熱熔壓敏膠及UV固化黏著膠。其中，UV/LED固化技術是最具有環保應用前景的發展方向之一，具有無VOCs、低毒性、快速固化、按需固化，並可設計雙重固化等特點，可滿足各領域多樣化的需求，適用於電子零組件產業、新能源車電子產業、光電產業與膠帶/標籤產業等行業。

Adhesive Materials

The research and development of adhesive materials are mainly based on "acrylic pressure-sensitive adhesives" and "functional bonding adhesives", including oil-based and water-based acrylic pressure-sensitive adhesive, polyurethane pressure-sensitive adhesive, moisture curing PUR adhesive, UV acrylic pressure-sensitive adhesive, UV hot-melt pressure-sensitive adhesive and UV bonding adhesive. Currently, UV/LED curing is a eco-friendly and established technology in many industrial applications, such as electronics assembly, new energy vehicle electronics, optoelectronics and tape/label industry.

產品應用範圍

壓敏膠產品：包含有水性壓克力、溶劑型壓克力、聚氨酯膠黏劑、UV熱熔膠與UV壓敏膠等。

(1) 標籤、膠帶行業：PET、BOPP、低表面能基材及各式膜材用壓敏膠。

(2) 廣告與車貼行業：PVC、TPU等廣告貼與裝飾貼膜用背膠。

(3) 民生醫療行業：運動膠帶、醫療繩帶與衛生用品壓敏膠。

(4) 電子行業：防爆膜、雙面遮光膠帶、導電膠、光學膠及消費電子用壓敏膠。

(5) 新能源車行業：線束膠帶、中止膠帶、高性能藍膜膠帶等壓敏膠。

(6) 保護膜行業：偏光板保護膜、面板可剝離膠、LED與半導體製程減黏膠。

黏結膠產品：包含有聚氨酯膠黏劑、反應型聚氨酯膠黏劑、聚酯黏結膠、UV黏結膠、特殊光學膠與環氧結構密封膠。

(1) 電子零組件行業：3C電子與光學零組件等異質基材黏結用膠黏劑。

(2) 光學與顯示行業：OCA/OCR、偏光板貼合、LCD-PIN腳固定、FPC披覆補強、LCP披覆補強與攝像頭模組用膠黏劑。

(3) 新能源行業：電池模組黏結、固定與密封用、UV三防膠、中控面板貼膠與太陽能板絕緣補強用膠黏劑。

Applications

Pressure-sensitive adhesives: include water-based and solvent-based acrylic adhesives, polyurethane adhesive, UV hot melt pressure-sensitive adhesives and UV pressure-sensitive adhesives.

(1)Label and tape: adhesive for PET, BOPP, low surface energy substrates and various film materials.

(2)Vehicle Wraps and Graphics: adhesive for PVC, TPU and other graphic art vinyl films.

(3)Healthcare and medical tape: sports tape, medical bandages and PSA for hygiene products.

(4)Electronics: adhesive for explosion-proof film, double-coated tapes for shading, conductive applications, optoelectronics and consumer electronics.

(5)New Energy Vehicles: PSA for wiring harness tape, end-fixing tape, and high-performance code engraving tape.

(6)Protective films: adhesive for polarizing plate protective film, peelable masking adhesive, LED and semiconductor dicing tape.

Bonding adhesives: include polyurethane adhesives, PUR adhesives, high-molecular weight polyester adhesives, UV bonding adhesives, function optical adhesives, epoxy structural adhesives.

(1)Electronics: adhesive for bonding heterogeneous substrates of 3C electronic and optical components.

(2)Optoelectronics and display: adhesive for OCA/OCR, polarizer lamination, LCD-PIN bonding, FPC reinforcement, LCP bonding and camera modules.

(3)New energy industry: adhesive for EV battery modules bonding, UV conformal coating, EV panel lamination and photovoltaic module insulation reinforcement.



有機矽相關材料

有機矽相關材料是一類結構獨特、兼具有機和無機雙重特性的化工新型材料，具有熱穩定性、耐候性、抗水性、生理惰性、耐化學腐蝕性、絕緣等優異特點，為歐、美、日等國際大廠的產品發展方向，極具市場應用潛力。有機矽相關材料生產線以“有機矽微球”、“改性有機矽”與“有機矽樹脂/封裝膠”等為核心技術，持續開發滿足不同市場應用需求的有機矽材料。

(1)有機矽微球包含：DF系列光擴散劑，WJ系列化妝品級有機矽微球，GP系列塗料手感劑。目前可以提供不同粒徑及粒徑分佈之產品，可依據不同客戶要求規格、特性，提供完美的解決方案，並根據市場發展趨勢不斷開發各種高性能之產品，幫助我們的客戶提高其產品競爭力。現有珠海和上海兩處生產基地，搭配全自動控制生產設備，為客戶提供穩定優質之產品。

(2)改性有機矽產品包含：聚醚改性聚矽氧烷共聚物、聚酯改性聚矽氧烷共聚物、環氧化官能團改性聚矽氧烷共聚物、羥烷基官能團改性聚矽氧烷共聚物、丙烯酸酯改性聚矽氧烷共聚物等。

(3)有機矽/封裝膠：適用於Mini LED、micro LED、一般LED封裝、COB LED封裝等應用的矽材料封裝膠。有機矽封裝膠包含甲基型(低折射率~1.41)、甲基苯基型(中折射率~1.48-1.51)、苯基型(高折射率~1.54)矽膠封裝膠。長興開發的甲基型矽膠封裝膠具有絕佳的耐候性、耐光性、抗裂性，以及低翹曲、低表面沾黏性、低收縮性、低光衰等特性，適合用在訴求高穩定性及高壽命的電子產品或車載產品上，例如mini LED背光模組、車載mini LED顯示器等。而長興生產的高折射率苯基型矽膠封裝膠，則具有高硬度易切割、高出光效率等特點。另外，也有甲基苯基型中折射率封裝膠供客戶使用。此外，長興有機矽團隊也有圍壩膠可供客戶搭配使用，應用於COB、PCB、玻璃基板等圍壩材料。

(4)有機矽樹脂：長興自行合成之矽樹脂，包含工業用純矽樹脂及改性矽樹脂，化妝品用矽樹脂等。工業級矽樹脂用於增黏劑、提升防水性能、耐候性能、機械性能。化妝品用矽樹脂，可當硬質成膜劑、軟質成膜劑等等。

產品應用範圍

DF系列光擴散劑，主要用於LED燈罩，LCD背光源擴散膜/擴散板，防眩膜等。WJ系列化妝品級有機矽微球廣泛用於彩妝和護膚產品當中，例如粉餅、蜜粉、BB霜、口紅、潤膚乳、粉底液、睫毛膏等。GP系列主要用於手感漆中，提供特殊的絲滑手感。

改性有機矽系列產品，主要用於上光油、木器和家具塗料、工業塗料、汽車漆、印刷油墨、膠粘劑等領域，起到促進流平、滑爽、改善潤濕、抗粘連、耐污等作用。

有機矽樹脂/封裝膠系列產品，提供優異的封裝保護效果，主要產品應用範圍為mini LED背光模組封裝膠、mini LED RGB直接顯示器封裝膠、micro LED顯示器封裝膠、車載用mini LED / micro LED顯示器、一般LED用封裝膠、COB LED封裝膠、UV-A LED封裝等。矽樹脂還可以應用於工業領域和化妝品領域。

Silicone-base Materials

Silicon-based material is a kind of new material with organic and inorganic characteristics due to special chemical characteristics. In the meanwhile, due to excellent thermal stability, weather durability, high water repellency, inert, chemical resistance, and excellent electrical insulation performance, that can be widely used to develop new applications by many global companies with a huge potential market.

Eternal dedicates to developing new materials to fulfill market demands, including "Silicone microsphere products", "Modified silicone products", and "Silicone resins".

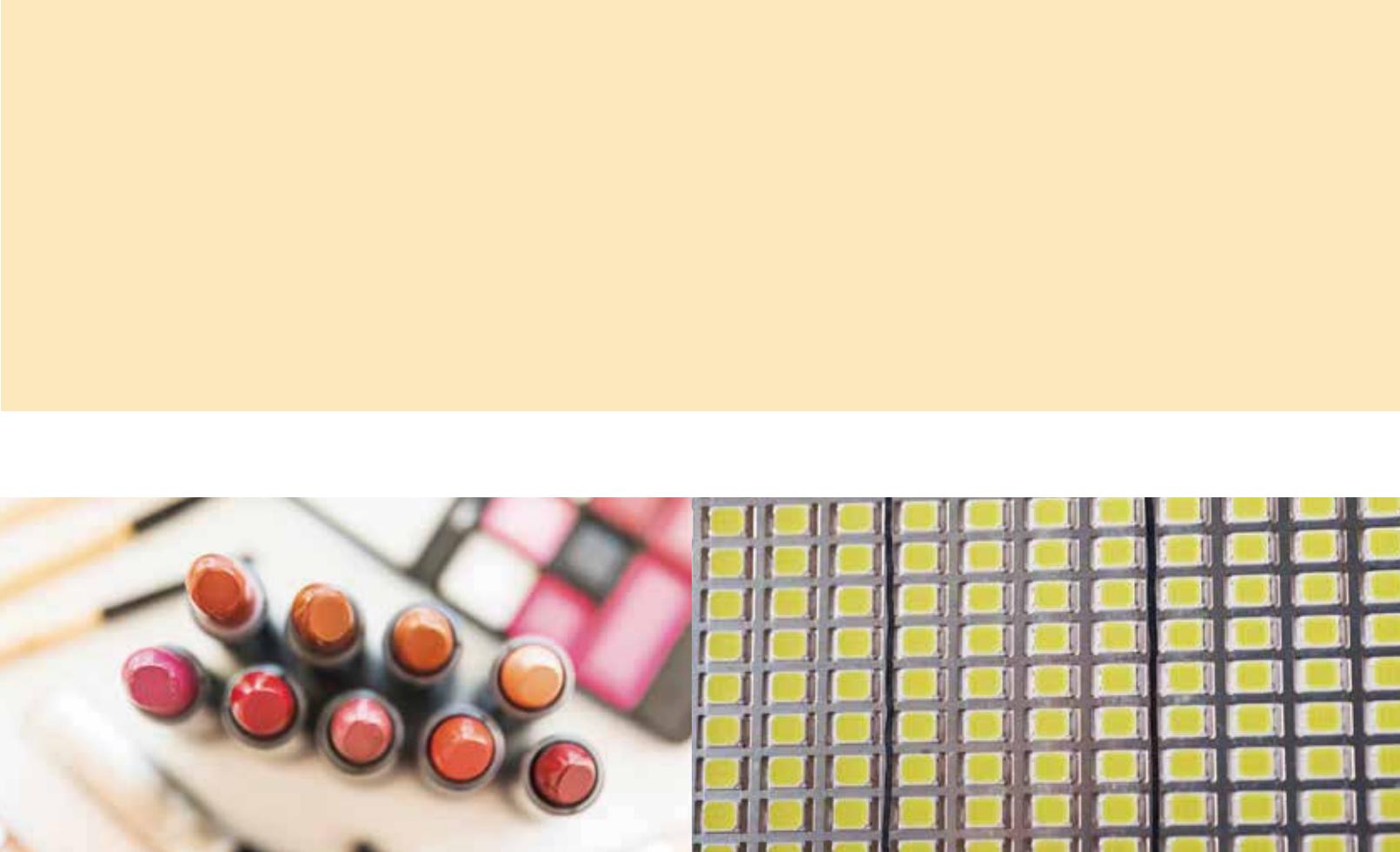
(1) Silicone microsphere (or polymethylsilsesquioxane) include light diffuser (DF series), functional powder for cosmetic (WJ series), and friction modifier for coating (GP series). Base on different specifications and traits required by customers, Eternal can customize silicone microsphere products with various particle sizes and provide integrated solutions. Furthermore, we would also like to assist to enhance customers' compatibilities with the continued development of high-performance products and provide in-time technical service. We have two production sites, the Zhuhai plant and the Shanghai plant that can produce high-quality products.

(2) Modified silicone products contain polyether siloxane copolymer, Polyester siloxane copoly-

mer, Epoxy-functional modified siloxane copolymer, Hydroxy-functional modified siloxane copolymer, and acrylate modified siloxane.

(3) Silicone encapsulation: Suitable for Mini LED/Micro LED, general LED encapsulation, COB LED encapsulation, and other applications of silicone material encapsulation. Silicone encapsulants include methyl type (low refractive index ~1.41), methyl-phenyl type (middle refractive index ~1.48-1.51), and phenyl type (high refractive index ~1.54) silicone encapsulants. The developed methyl silicone encapsulant by Eternal has excellent heat resistance, reliability, sun-light resistance, crack resistance, low warpage, low surface tackiness, low shrinkage, and low light-output decay. It is especially suitable for high stability, high-performance, and long-life electronic products or automotive products, such as mini LED backlight modules, automotive mini LED displays, etc. The high refractive index phenyl type silicone encapsulant has the characteristics of high hardness, easy dicing, and high light extraction efficiency. In addition, methyl-phenyl type middle refractive index encapsulants are also available for customers to use. Our team also has dam materials for customers to select. It can be used with COB, PCB, glass substrate, and others for a dam purpose.

(4) Organic silicone resin: Silicone resin synthe-



sized by ourselves, including pure silicone resin and modified silicone resin for industrial fields, silicone resin for cosmetics, etc. Industrial grade silicone resin is used as a tackifier to improve waterproof performance, weather resistance and mechanical properties. Silicone resin for cosmetics can be used as hard film-forming components, soft film-forming components, etc.

Applications

DF series of the light diffuser is mainly used in LED light cover, diffusing plate/ film of LCD backlight unit and anti-glare film. A WJ series of functional powder is widely utilized in color cosmetics and skincare products, such as pressed powder, foundations, BB cream, lipstick, body lotion, liquid foundations, and mascara. A GP series of friction modifiers are employed in touch coating to provide a silky feel.

Modified silicone products provide good performance on improving flow, leveling, slipping,

substrate wetting, scratch resistance, anti-blocking, and anti-graffiti abilities. Therefore, they can be widely used in clear overprint varnish, wood furniture coatings, industrial coatings, automobile coatings, printing inks, and adhesives.

Silicone resin/encapsulation products provide excellent encapsulate protection. The main applications of our silicone encapsulant are mini LED backlight module encapsulation, mini LED RGB direct display encapsulation, micro-LED display encapsulation, and mini LED/micro LED for automotive display, general LED encapsulation, COB LED encapsulation, UV-A LED encapsulation, etc. Silicone resin can be used for industrial fields and cosmetics.

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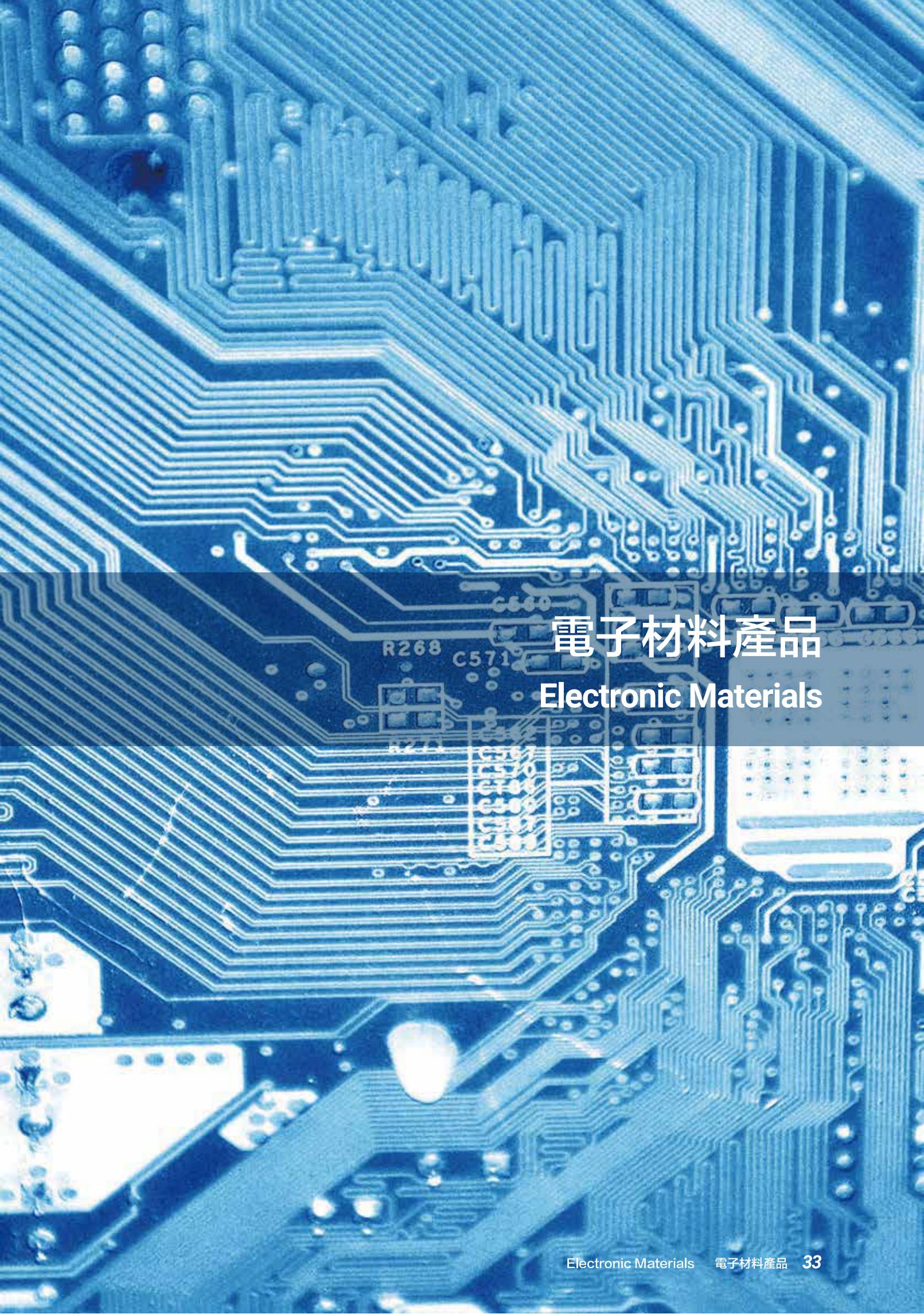
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電子材料產品
Electronic Materials

電子材料產品 Electronic Materials

積層材料

覆銅箔積層板(包含CEM-1環氧樹脂複合銅箔積層板、紙基材酚醛樹脂銅箔積層板、未覆銅箔之酚醛樹脂絕緣板、電木板)是現今家電及民生消費性電子週邊產品的關鍵材料。配合市場需求演變，在既有技術領域中更深入開發精密銀/銅膠貫孔材料及環保材料，提昇產品的應用層級。全廠採用自動化設備，生產流程皆符合ISO9001、ISO14001及OHSAS18001規定，所有產品榮獲UL、BSI、VDE、JET及CQC等多項國內外安規認證許可。『注重服務品質、掌握客戶需求』是長興最基本的行銷理念，並以滿足客戶需求為優先，取得市場領導地位和帶動長興快速發展。

產品應用範圍

產品應用範圍為計算機、電話機、液晶/電漿電視與高階遙控器等高級家電、鍵盤、滑鼠、數位式多用途光碟機等資訊週邊產品、LED及傳統照明電源驅動板等各類電器用印刷電路板製作基材。

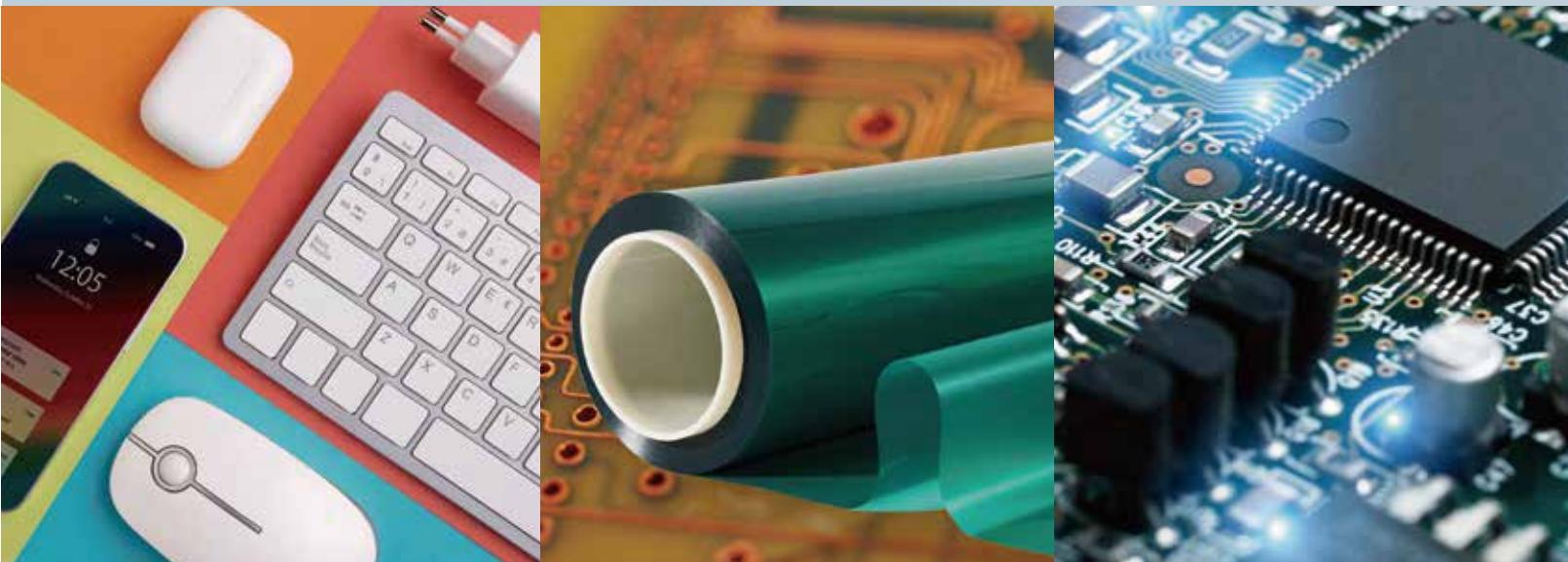
Laminate Materials

Laminate Materials (including CEM-1 CCL , paper phenolic CCL , phenolic insulation board without copper , bakelite) is the primary material for household appliances, information and telecommunications peripheral devices. In the pursuit of market trends, it develops copper / silver through hole materials and environmental-friendly materials to upgrade the application of the products. The production processes are fully automated and have received UL, BSI, VDE, JET, CQC, ISO9001, ISO14001 and OHSAS 18001 Certifications. "Focusing on service quality and grasping the customer's need" is the primary marketing concept of the company. All the production technology and manufacturing development are based on the needs of our customers.

Applications

Laminate Materials can be used as the base material for the electric appliances (including telephone, LCD/ Plasma TV, keyboard, DVD/Blue-ray player, remove controller, LED inside power board.....etc).





光阻材料、精密塗佈代工

長興多年來以全球佈局、在地經營之發展策略，結合配方設計、精密塗佈技術與全球產銷通路之核心能力，長期深耕印刷電路板產業，透過台灣、中國、日本、美國、歐洲及東南亞等地之生產據點與銷售網絡，以優異的產品品質、技術服務及彈性快速的供貨能力，深獲客戶之青睞與肯定，為全球乾膜光阻產品主要領導供應商之一。

而鑑於各類電子產品對於高機能精密膜材產品之需求日趨增加，近年來以累積多年之精密塗佈製程技術與經驗，積極投入精密塗佈代工業務，與業界共同發展高值化的塗佈產品，服務客戶涵蓋電子、平面顯示器、觸控面板及光電等產業。

Photoresist Materials and Toll Coating Service

Eternal has focused on formula design, precision coating technology and set up worldwide supply chains as our global strategy. We've strived for PCB industry market in years with our commitment to offer customers high-quality products through our distribution center and production facilities in Taiwan, China, Japan, United States, Europe and South East Asia. We're able to provide in-time technical service and rapid logistic capability over the past years, Eternal has developed itself into one of the world's main leading suppliers of Dry Film Photoresist.

Based on increasing demand on electronic products with functional precision film materials, we're aggressively offering customers toll coating service with our abundant experiences and technology in precision coating. Our customers varied in electronic industry, LCD industry, touch panel industry, optical industry and so on. We look forward to cooperate with industries and develop advanced coating products.

產品應用範圍

(1) 乾膜光阻劑：

應用於印刷電路板、導線架、IC封裝、平面顯示器ITO、金屬蝕刻及玻璃噴砂…等影像轉移製程，做為線路蝕刻或電鍍阻劑。另亦可配合客戶特殊需求進行客製化之產品設計開發。

(2) 乾膜防焊光阻劑：

主要應用於軟/硬式印刷電路板、IC載板和其他硬板等精密外層之線路保護，屬永久性材料。

(3) 液態UV硬化型文字油墨：

用於印刷電路板網板印刷製程，適用於雙面及多層板之文字與圖形標示印刷。

(4) 液態感光型與乾膜感光型聚醯亞胺材料：

應用於半導體工業上之鈍化膜、應力緩衝膜、乾式蝕刻防護罩及微機電與層間絕緣膜等。

(5) 精密塗佈代工：

超過30年精密塗佈經驗，塗佈製程能力如下：

塗佈方式：Slot Die、Micro Gravure、Multilayer Coater…等

塗佈寬幅：0.3M ~ 2.3M

塗佈膜厚：50 Nanometer ~ 250 Micrometer

塗佈基材：PET、銅箔、鋁箔…等

塗佈膠液：溶劑、水性系統

黏度範圍：1 ~ 20000 cps

無塵等級：Class 100/1000/10000

Applications

- (1) Dry Film Photoresist Material acts as either etching resist or plating resist, are commonly used in the image transference processes of the PCB industry, Lead Frame industry and IC substrate and LCD industry (ITO/Metal etching and glass etching...etc). With a strong R&D and manufacturing capability, Eternal is well equipped to meet customers' special application requirements.
- (2) Dry film photoimageable Solder Mask used for the FPC/Multi-PCB、IC substrate or other Rigid-Board in the manufacturing process of photolithography industry, DFSM can be Laminated on the board, exposed to the pattern and developed to provide openings in the pattern for parts to be soldered to the copper pads.
- (3) Liquid UV curable marking ink of screen printing property with high resolution, the coating cured ink featuring excellent adherence and heat resistance.
- (4) Liquid type photosensitive and Dry Film photosensitive polyimide materials applied to passivation layer, buffer layer, and α -particle barrier, dry-etch mask, micro-electro-mechanical system (MEMS) and interlayer dielectrics in the semiconductor manufacturing industry.
- (5) Toll Coating Service：
With over 30 years of precise coating experience, our coating capability is as follows：
Coater : Slot Die、Micro Gravure、Multilayer Coater...etc.

Substrate Width : 0.3M ~ 2.3M

Substrate Thickness : 50 Nanometer ~ 250 Micrometer

Substrate : PET Film、Copper Foil、Aluminum Foil...etc.

Lacquer : Solvent、Aqueous

Viscosity : 1 ~ 20000 cps

Cleanliness of Coating Booth : Class 100/1000/10000



真空壓膜機 長廣精機

本公司於2013年跨足應用於載板及半導體產業用之真空壓膜機業務，進一步提供材料與設備整合之全方位解決方案，服務客戶。為提升集團競爭力及營運績效，透過專業分工，於2022年將真空壓膜機產品線分拆，成立長廣精機股份有限公司。

產品應用範圍

應用於IC封裝用載板、軟性電路板FPC, NCF, LED等相關製程上。以獨家薄膜搬運技術與真空壓膜模組，整合熱壓系統等附屬設備一體化，以提高生產效率，兼顧基板壓合精準度與產能，可將各種構裝用薄膜材料以真空壓膜之方式，對各種細線路與導通孔之載板表面能達成高填覆性壓合，以及使用高精密度熱壓方式對於各式載板在壓合後能維持均一之厚度與表面平整性。

Vacuum Laminator EPM

In 2013, Eternal diversified into vacuum laminators business for IC substrates and semiconductor industries, offering the total solution for integrating materials and equipment to serve customers further more. To improve the competitiveness and operating performance of the group through separation of professions, the vacuum laminator product line was spun off and established Eternal Precision Mechanics Co., Ltd. in 2022.

Applications

Vacuum Laminator mainly applies on IC PKG substrate, and other applications like FPC, NCF, LED materials lamination. Vacuum Laminator is developed by applying the original carrier film system technology and the high precision hot press system technology to our conventional diaphragm type vacuum laminator, which can meet both high processing precision and mass production requirement. Diaphragm type vacuum laminator provides excellent conformation of various build-up materials to fine patterns and various via holes. In addition, high precision hot press unit provides uniform thickness and surface flatness.

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生醫材料產品

Biomedical Materials

生醫材料產品 Biomedical Materials

體外檢測試劑

長興研發團隊立基於自產的關鍵生醫原料，成功開發出快速定性診斷試片及定量檢測試劑產品。這些產品不僅展現了長興從原料到產品的完整研發能力，更已取得國際/國家認證，品質值得信賴。我們的研發團隊可依據客戶需求，設計開發客製化檢測試劑產品。同時，我們擁有QMS廠房及自動化試劑產線，可提供客戶大規模、高品質的代工生產服務。

產品應用範圍

- (1) 傳染病病原檢測
- (2) 心血管指標定量檢測
- (3) 寵物疾病檢測
- (4) 經濟動物疾病檢測

In vitro detection (IVD) reagents

Leveraging our expertise in self-produced key biomedical materials, Eternal's R&D team has successfully developed rapid qualitative diagnostic test strips and quantitative detection reagent products. These products not only showcase Eternal's comprehensive R&D capabilities from raw materials to finished products but have also obtained international/national certifications, ensuring their reliable quality. Our R&D team can customize detection reagent products according to customer requirements. Moreover, we possess a QMS-certified facility and automated reagent production lines, enabling us to provide customers with large-scale, high-quality contract manufacturing services.



Applications

- (1) Infectious Disease Pathogen Diagnosis
- (2) Cardiovascular Biomarker Quantification
- (3) Pet Disease Diagnosis
- (4) Livestock Disease Diagnosis

生醫原料

長興研發生醫原料拓展生醫原料的各種應用市場，產品包含各種重組蛋白。主要業務涵蓋組織工程、修復醫學及細胞治療等生醫原料供應，並獲得ISO13485醫材品質系統認證。擁有先進的微生物發酵技術，也具備完善的基因工程及蛋白純化製程技術。從客戶需求出發提供客戶原料及代工生產的解決方案，拓展生醫原料的各種應用市場。

產品應用範圍

- 重組蛋白原料：
- (1) 組織工程
 - (2) 修復醫學
 - (3) 細胞治療

Biomedical materials

Eternal's biomedical materials business expands the application market for various biomedical raw materials, encompassing a wide range of products, including recombinant proteins. Our core business covers the supply of raw materials for tissue engineering, regenerative medicine, and cell therapy, and we have obtained ISO13485 medical device quality system certification. Possessing cutting-edge microbial fermentation

technology, as well as comprehensive genetic engineering and protein purification processes. We provide customers with raw material and contract manufacturing solutions tailored to their specific needs, further expanding the application market for biomedical materials.

Applications

Recombinant Protein Raw Materials for:

- (1) Tissue Engineering
- (2) Regenerative Medicine
- (3) Cell Therapy

生產基地

台灣/汐止

汐止廠

長興材料工業股份有限公司

221新北市汐止區新台五路一段99號31樓之1

TEL: + 886-2-2697-6228

Production Sites:

Xizhi/Taiwan

Eternal Materials Co., Ltd.

31F-1, No. 99, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 221, Taiwan(R.O.C.)

TEL: + 886-2-2697-6228

長興大事紀 Chronology

1964 ◎ 成立於台灣高雄市，初期資本額訂為新台幣80萬元整	◎ 榮獲經濟部第九屆產業科技發展最高榮譽-卓越成就獎
1965 ◎ 高雄建廠完工並開始生產醇酸樹脂產品	◎ 大發廠光阻事業部通過QS9000認證
1973 ◎ 路竹廠完工並完成遷廠	2002 ◎ 長興研究所成立『顯示器材料專案組』，加速開發光電材料
1985 ◎ 路竹電路基板廠完工並開始生產	2003 ◎ 獲經濟部技術處核准成立『研發創新中心』
1988 ◎ 路竹聚苯乙烯廠完工開始生產	◎ 美國子公司 Eternal Technology Corporation 購併 Shipley Company L.L.C. DF 產品線
◎ 於屏東與荷蘭DSM Resins BV合資設立「帝興樹脂股份有限公司」	◎ 於中國大陸廣東投資設立「長興化學材料(珠海)有限公司」
1989 ◎ 路竹特殊單體廠完工並開始生產	◎ 於中國大陸廣東投資設立「長興(廣州)精細塗料有限公司」
1990 ◎ 大發乾膜光阻劑廠完工並開始生產	◎ 於南科高雄園區投資設立「長興開發科技股份有限公司」
◎ 榮獲全國工業總會--績優廠礦之新產品開發獎(特殊單體)	2004 ◎ 於中國大陸江蘇投資設立「長興感光液材料(昆山)有限公司」
1992 ◎ 榮獲全國工業總會--績優廠礦之新產品開發獎(乾膜光阻)	◎ 荷蘭 COGNIS B.V. 公司投資「長興化學材料(珠海)有限公司」，持股百分之十
1993 ◎ 路竹不飽和聚酯樹脂自動化新廠完工並開始生產	2005 ◎ 榮獲工研院開放實驗室/創業育成中心NBIA 國際育成大獎
◎ 榮獲經濟部產業科技發展獎之優等獎	2006 ◎ 於中國大陸江蘇投資設立「長興光學材料(蘇州)有限公司」
1994 ◎ 大發液態光阻劑廠完工並開始生產	◎ 於中國大陸江蘇投資設立「長興合成樹脂(常熟)有限公司」
◎ 本公司股票於1994年3月31日於台灣證券交易所掛牌上市	◎ 於新竹與友達集團合資成立「達興材料股份有限公司」
◎ 通過法國BVQI ISO9002國際標準品質管理系統驗證	◎ 於中國大陸廣東投資設立「長興(廣州)光電材料有限公司」
1995 ◎ 通過商檢局及法國BVQI ISO9001國際標準品質管理系統驗證	2007 ◎ 於中國大陸上海投資設立「創興精細化學(上海)有限公司」
◎ 榮獲經濟部產業科技發展獎之傑出獎	◎ 榮獲經濟部台灣奈米技術產業發展協會之第三屆奈米產業科技菁英獎
◎ 於中國大陸江蘇投資設立「長興化學工業(中國)有限公司」	◎ 於中國大陸遼寧投資設立「長興光電材料工業(營口)有限公司」
◎ 路竹電路基板廠擴建全自動化新廠完工並開始生產	◎ 大發廠光學材料事業部通過BVQI ISO9001及ISO14001認證
◎ 於中國大陸廣東投資設立「長興(廣州)化學工業有限公司」	2008 ◎ 於泰國投資取得「長興電子材料(泰國)有限公司」，持股百分之七十五
1996 ◎ 於日本投資設立「長興化學工業株式會社」	◎ 於荷蘭投資設立「Eternal Chemical Europe B.V.」
◎ 於中國大陸江蘇投資設立「長興電子材料(昆山)有限公司」	◎ 榮獲台灣化學科技產業協進會2008年台灣化學科技產業菁英獎暨產品創新獎之產業貢獻獎
1997 ◎ 於美國投資設立「Eternal Corporation of America」	◎ 榮獲經濟部頒發「創業四十年以上歷史悠久廠商」
◎ 於中國大陸江蘇與荷蘭DSM Resins BV合資設立「帝興樹脂(昆山)有限公司」	2009 ◎ 通過法國BVQI TOSHMS/OHSAS18001職業安全衛生管理系統驗證
◎ 榮獲全國工業總會-績優廠商之新產品開發獎(影像材料)	◎ 榮獲經濟部第十屆全國標準化獎
1998 ◎ 於中國大陸上海投資設立「長興科技(上海)有限公司」	◎ 於中國大陸天津投資設立「長興化學(天津)有限公司」
1999 ◎ 於美國投資設立「Eternal Technology Corporation」	◎ 於南科高雄園區與光陽工業股份有限公司等合資設立「長陽開發科技股份有限公司」
◎ 於中國大陸上海投資設立「上禾國際貿易(上海)有限公司」	2010 ◎ 榮獲經濟部第十八屆產業科技發展-傑出創新企業獎
◎ 環氧樹脂封裝材料(EMC)正式上市	◎ 於日本與「三菱樹脂株式會社」合資設立「高新PETFILM投資株式會社」轉投資大陸地區
2000 ◎ 通過BVQI ISO14001國際標準環境管理系統驗證	2011 ◎ 通過法國BVC ISO14064-1組織層級溫室氣體排放量查證(查證年度：2005年)
◎ 於中國大陸江蘇投資設立「長興光電材料工業(昆山)有限公司」	◎ 於中國大陸上海投資設立「長興(中國)投資有限公司」
◎ 於中國大陸廣東投資設立「長興化學工業(廣東)有限公司」	
◎ 美國乾膜光阻劑廠正式投產	
◎ 化學機械研磨劑(CMP)正式上市	
2001 ◎ 於中國大陸廣東投資設立「長興(廣州)電子材料有限公司」	
◎ 路竹廠光電大樓完工	
◎ 於中國大陸廣東投資設立「昌禾國際貿易(廣州保稅區)有限公司」	

Chronology

◎ 於中國大陸江蘇投資設立「長興電子(蘇州)有限公司」	材料(馬來西亞)有限公司」
◎ 於中國大陸四川投資設立「長興化學工業(成都)有限公司」	◎ 於澳洲投資取得基亞生技(股)公司關係企業TBG Giagnostics Limited之18.48%股權
◎ 獲行政院衛生署國民健康局頒發「健康促進標章」	
2013 ◎ 於日本投資取得「Nichigo-Morton Co., Ltd.」，持股百分之百	◎ 榮獲勞動部頒發「人力發展品質管理系統(TTQS)企業機構版金牌」
◎ 於日本東京興建新大樓-長興館	2017 ◎ 於義大利投資取得「Elga Europe S.R.L.」，累計持股增加至百分之九十五
◎ 通過台灣BV公司授與產品碳足跡查證聲明書(三羥甲基丙烷三丙烯酸酯、內/外牆塗料樹脂和乾膜光阻)	◎ 於中國大陸與浙江南洋科技股份有限公司合資成立「杭州永信洋光電材料有限公司」
◎ 於中國大陸江蘇與日本山櫻化研株式會社合資設立「長鼎電子材料(蘇州)有限公司」	2018 ◎ 榮獲中華民國科技管理學會頒發「科技管理獎」
◎ 於義大利投資取得「Elga Europe S.R.L.」，持股百分之三十五	◎ 於美國投資取得「Polymer Instrumentation and Consulting Services, Ltd.」，累計持股增加至百分之三十
◎ 榮獲經濟部頒發「第二屆卓越中堅企業獎」	
2014 ◎ 於中國大陸江蘇投資設立「長興化學材料(蘇州)有限公司」	2019 ◎ 榮獲高雄市政府頒發「典範企業領航獎-卓越創新」
◎ 公司更名為「長興材料工業股份有限公司」	2021 ◎ 於印尼投資設立「PT. Eternal Materials Indonesia」，持股百分之六十七。
◎ 於高雄與至美電器股份有限公司合資成立「興美電子股份有限公司」	◎ 於中國大陸安徽投資設立「長興材料工業(銅陵)有限公司」
2015 ◎ 於香港與Allnex S.á r.l.合資成立「長新樹脂有限公司」	2022 ◎ 於高雄分割設立「長廣精機股份有限公司」
◎ 於中國大陸與昭和電工株式會社合資成立「昭和電工新材料(珠海)有限公司」	2023 ◎ 於印度投資設立「Eternal Materials India Private Limited」
◎ 於馬來西亞與Tong Seng Holdings Ptd. Ltd.合資成立「長興	◎ 於中國大陸廣東投資設立「長廣精機(廣州)有限公司」

Chronology

1964 ◎ Eternal Chemical Co. Ltd. established in Kaohsiung, Taiwan with capital of NTD 800,000.

1965 ◎ Plant construction completed and coating resins launched in the market.

1973 ◎ Ceremony of Lu-Chu Plant held.

1985 ◎ Copper-Clad Laminates Plant completed at Lu-Chu Plant.

1988 ◎ Polystyrene launched in the market.

◎ Joint venture with DSM Resins BV and DSM Resins (Far East) Co., Ltd established.

1989 ◎ Special monomer launched in the market.

1990 ◎ Dry film photoresist launched in the market.

◎ Best performance manufacturer on new product R&D for Specialty Monomer products.

1992 ◎ Best performance manufacturer on new product R&D for Dry Film products.

1993 ◎ New unsaturated polyester resins computerized plant at Lu-Chu completed.

◎ Outstanding Award for Industrial Technology Advancement granted by MOEA.

1994 ◎ Liquid photo-imaginable solder mask launched in the market.

◎ Company listed on the Taiwan Stock Exchange on March 31.

◎ Approved ISO9002 BVQI Certificate.

1995 ◎ Approved ISO9001 BVQI Certificate.

◎ Excellent Award for Industrial Technology Advancement granted by MOEA

- 1995** ◎ Eternal Chemical (China) Co., Ltd. established.
 ◎ New Copper-Clad Laminates automated production line completed.
- 1996** ◎ Eternal Chemical (Guangzhou) Co., Ltd. established.
- 1996** ◎ Eternal Chemical (Japan) Co., Ltd. established.
- 1997** ◎ Eternal Corporation of America established.
 ◎ Joint venture with DSM Resins BV and DSM Eternal Resins (Kunshan) Co., Ltd. established.
 ◎ Best performance manufacturer on new product R&D for Image Material.
- 1998** ◎ Eternal Technologies (Shanghai) Co., Ltd. established.
- 1999** ◎ Eternal Technology Corporation (ETC) established.
 ◎ Shanghe International Trading (Shanghai) Co., Ltd. established.
 ◎ Epoxy molding Compound (EMC) launched in the market.
 ◎ Approved ISO14001 BVQI Certificate.
 ◎ Eternal Photoelectric Material Industry (Kunshan) established.
- 2000** ◎ Eternal Chemical (Guangdong) Co., Ltd. established.
 ◎ Dry film at ETC launched in the market.
 ◎ Chemical mechanical planarization (CMP) launched in the market.
- 2001** ◎ Eternal Electronic Material (Guangzhou) Co., Ltd. established.
 ◎ Opto-electronics Building completed.
 ◎ Changhe International Trading (GZFTZ) Co., Ltd. established.
 ◎ Distinguished Award for Industry Technology Advancement, the highest honor granted by Ministry of Economic Affairs, Taiwan, R.O.C..
 ◎ Approved QS9000 Certificate. (PM division).
- 2002** ◎ Eternal Research Center established Display Materials Project Group.
- 2003** ◎ Set up Industrial Technology Innovation Center approved by Ministry of Economic Affairs.
 ◎ Eternal Technology Corporation merged Dry Film business of Shipley Company L.L.C., U.S.A..
 ◎ Eternal Specialty Chemical (Zhuhai) Co., Ltd. established.
 ◎ ESCO Specialty Coatings (Guahzhou) Co., Ltd. established.
 ◎ Epoch Material Co., Ltd. established.
- 2004** ◎ ESCO Specialty Coatings (Kunshan) Co., Ltd. established.
 ◎ A Netherlands Company, Cognis B.V., invested with 10% shares acquired in Eternal Specialty Chemical(Zhuhai) Co., Ltd..
- 2005** ◎ Honored NBIA International Incubation Award from Open Laboratory /Incubation Center of ITRI.
- 2006** ◎ Eternal Optical Material (Suzhou) CO., Ltd. established.
 ◎ Eternal Synthetic Resins (Changshu) CO., Ltd. established.
 ◎ AU Optronics Corp. and Eternal Chemical Co., Ltd. make Joint Venture to establish Daxin Materials Corporation.
 ◎ Eternal Photoelectric Materials (Guangzhou) Co., Ltd. established.
- 2007** ◎ ESCO Specialty Coatings (Shanghai) Co., Ltd. established.
 ◎ Award Innovation Elite Prize of Taiwan nanotechnology (Industry Award) by Taiwan Nanotechnology Industry Development Association.
 ◎ Eternal Photoelectric Material Industry (Yingkou) Co., Ltd. established.
 ◎ Optical Material Division approved for BVQI ISO9001 & BVQI ISO14001 certificate.

Chronology

- 2008** ◎ Investment in Eternal Electronic Material (Thailand) Co., Ltd. with 75% shares.
◎ Eternal Chemical Europe B.V. established.
◎ Rewarded Industrial Contribution Prize in TCIA Industrial Excellent Award 2008.
◎ Awarded " Long-Standing Enterprise for 40-year upward " by Ministry of Economic Affairs, R.O.C.
- 2009** ◎ Approved TOSHMS/OHSAS18001 BVQI Certificate.
◎ Rewarded "National Standardization Award" by Ministry of Economic Affairs, R.O.C.
◎ Eternal Chemical (Tianjin) Co., Ltd. Established.
◎ Kwang Yang Motor Co., Ltd., Eternal Chemical Co., Ltd., etc, engage in Joint Venture to establish New E Materials Co., Ltd..
- 2010** ◎ Award Outstanding Enterprise Innovation Award by Taiwan Nanotechnology.
◎ Formed a joint venture, Advanced PETFILM Investment Co., Ltd, with Mitsubishi Plastics, Inc. for investment in China.
- 2011** ◎ Approved ISO14064-1 BVC Certificate (Cerification year : 2005).
◎ Eternal (China) Investment Co., Ltd. established.
◎ Eternal Electronic (Suzhou) Co., Ltd. established.
◎ Eternal Chemical (Chengdu) Co., Ltd. established.
◎ Awarded "Badge of Accredited Healthy Workplace" by Bureau of Health Promotion, Department of Healthy, R.O.C.(Taiwan).
- 2013** ◎ Investment in Nichigo-Morton Co., Ltd. with 100% shares.
◎ Chou-Kou Building completed in Japan.
◎ Approved PAS 2050:2011 BVC Verifycate. (ETERMER 231 ,ETERSOL 3503,ETERTEC HT-312).
◎ Formed a joint venture, Eternal Sun A.(Suzhou)Co.,Ltd., with Sun A. Kaken Co.Ltd.
◎ Investment in Elga Europe S.R.L. with 35% shares.
◎ Award" Taiwan Mittelstand Award" by Ministry of Economic Affairs, R.O.C.
- 2014** ◎ Eternal Specialty Chemical (Suzhou) Co., Ltd. established.
◎ Eternal Chemical Co., Ltd. renamed as Eternal Materials Co., Ltd.
◎ Gemmy Electronics Co., Ltd. and Eternal Materials Co., Ltd. establish a joint Eternal Capatech Co., Ltd.
- 2015** ◎ Allnex S.á r.l. and Eternal Materials Co., Ltd. establish a joint venture Allnex-Eternal Resins Co., Ltd.
◎ SHOWA DENKO K.K. and Eternal Materials Co., Ltd. establish a joint venture SHOWA DENKO New Material (Zhuhai) Co., Ltd.
◎ Tong Seng Holdings Ptd. Ltd. and Eternal Materials Co., Ltd. establish a joint venture Eternal Materials (Malaysia)Sdn.Bhd.
◎ Investment in TBG Giagnostics Limited with 18.48% shares.
◎ Awarded Talent Quality Management System(TTQS) enterprise version Gold Medal by Ministry of Labor ,R.O.C.
- 2017** ◎ Investment in Elga Europe S.R.L. increase shares to 95%.
◎ Nanyang Technology Co., Ltd. and Eternal Materials Co., Ltd. establish a joint venture Hangzhou Yongxinyang Photoelectric Materials Co., Ltd.
- 2018** ◎ Awarded "Technology Management Award" by Chinese Society for Management of Technology.
◎ Investment in Polymer Instrumentation and Consulting Services, Ltd. to 30% of shares.
- 2019** ◎ Awarded "Enterprise Innovation Award" by Kaohsiung City Government
- 2021** ◎ The Company established a joint venture PT.Eternal Materials Indonesia with a 67% stake.
◎ Eternal Materials (Tongling) Co., Ltd. established.
- 2022** ◎ The Company established Eternal Precision Mechanics Co., Ltd. in Kaohsiung.
- 2023** ◎ Eternal Materials India Private Limited established.
◎ Eternal Precision Mechanics (Guangzhou) Co., Ltd. established.

全球銷售據點 Global Service Network

台灣 Taiwan

高雄

塗料樹脂、新產品

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長廣精機股份有限公司

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汐止

生醫材料產品

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Kaohsiung

Coatings Resins, New Products

Eternal Materials Co., Ltd.

578 Jiangong Rd., Sanmin Dist., Kaohsiung City 807, Taiwan(R.O.C.)

TEL: +886-7-383-8181

FAX: +886-7-383-7956,+886-7-383-4208

Unsaturated Polyester Resins

Eternal Materials Co., Ltd.

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TEL: +886-7-383-8181

FAX: +886-7-385-8622,+886-7-395-7120

Acrylate Monomers & Acrylate Oligomers, Specialty Coatings, Adhesive Materials, Silicone-base Materials

Eternal Materials Co., Ltd.

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TEL: +886-7-383-8181

FAX: +886-7-383-3355

Photoresist Materials, Laminate Materials, Toll Coating Service

Eternal Materials Co., Ltd.

30 Yu Min St., Talião Dist., Kaohsiung city 831, Taiwan(R.O.C.)

TEL: +886-7-787-3645

FAX: +886-7-787-1445

Vacuum Laminator

Eternal Precision Mechanics Co., Ltd.

30 Yu Min St., Talião Dist., Kaohsiung city 831, Taiwan(R.O.C.)

TEL: +886-7-787-9007

FAX: +886-7-787-9005

Xizhi .

Biomedical Materials

Eternal Materials Co., Ltd.

31F-1, No. 99, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 221, Taiwan(R.O.C.)

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FAX: +886-2-2697-6229

Global Service Network

中國 China

華東地區

膠黏劑材料、塗料樹脂、新產品、不飽和聚酯樹脂

長興化學(天津)有限公司青島分公司

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FAX: +86-532-5571-6711

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長興化學工業(中國)有限公司杭州分公司

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FAX: +86-571-8672-7412

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長興化學工業(中國)有限公司上海分公司

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丙烯酸酯單體&丙烯酸酯低聚物、特殊塗料、有機矽相關材料

長興特殊材料(珠海)有限公司上海分公司

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FAX: +86-21-5455-1911

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East China

Adhesive Materials, Coatings Resins, New Products, Unsaturated Polyester Resins

Eternal Chemical (TianJin) Co., Ltd. Qingdao Branch

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Adhesive Materials, Coatings Resins, New Products

Eternal Chemical (China) Co., Ltd. Hangzhou Branch

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TEL: +86-571-8672-0395

FAX: +86-571-8672-7412

Adhesive Materials, Coatings Resins, New Products, Unsaturated Polyester Resins

Eternal Chemical (China) Co., Ltd. Shanghai Branch

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FAX: +86-21-5490-2389

Acrylate Monomers & Acrylate Oligomers, Specialty Coatings, Silicone-base Materials

Eternal Specialty Materials (Zhuhai) Co., Ltd. Shanghai Branch

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FAX: +86-21-5455-1911

Acrylate Monomers & Acrylate Oligomers, Specialty Coatings, Silicone-base Materials

Eternal Specialty Materials (Zhuhai) Co., Ltd. Kunshan Branch

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Photoresist Materials

Eternal Electronic (Suzhou) Co., Ltd.

No.2, Huaqiao Road, Xushuguan Town, SND, Suzhou, Jiangsu 2015151, China.

TEL: +86-512-6737-3188

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Laminate Materials

Eternal (China) Investment Co., Ltd.

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華中地區

塗料樹脂、新產品、不飽和聚酯樹脂

長興化學工業(中國)有限公司武漢分公司

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Central China

Coatings Resins, New Products, Unsaturated Polyester Resins

Eternal Chemical (China) Co., Ltd. Wuhan Branch

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Acrylate Monomers & Acrylate Oligomers, Specialty Coatings, Silicone-base Materials

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西南地區

膠黏劑材料、塗料樹脂、新產品、不飽和聚酯樹脂

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Southwest China

Adhesive Materials, Coatings Resins, New Products, Unsaturated polyester Resins

Eternal Chemical (Chengdu) Co., Ltd. Gaoxin Branch

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FAX: +86-28-8533-1158

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Eternal Chemical (Chengdu) Co., Ltd. Chongqing Branch

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Global Service Network

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華南地區

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TEL: +86-20-8226-7271
FAX: +86-20-8226-4669

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長興(廣州)光電材料有限公司
510535廣東省廣州市高新技術產業開發區科學城瑞和路8號
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長廣精機(廣州)有限公司
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FAX: +86-592-2963-068

South China

Adhesive Materials, Coatings Resins, New Products, Unsaturated polyester Resins
Eternal Materials (Guangdong) Co., Ltd. Guangzhou Branch
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TEL: +86-20-8560-8003
FAX: +86-20-8560-8005

Acrylate Monomers & Acrylate Oligomers, Specialty Coatings, Silicone-base Materials

Eternal Specialty Materials (Zhuhai) Co., Ltd. Guangzhou Branch
Room 1005 Building D, No.18, Dongming 3rd Road, Huangpu District, Guangdong 510700, China.
TEL: +86-20-8226-7271
FAX: +86-20-8226-4669

Photoresist Materials, Toll Coating Service

Eternal Photo Electronic Materials (Guangzhou) Co., Ltd.
No. 8, Ruihe Road, Science City, High and New Technology Industrial Development Zone, Guangzhou 510535, Guangdong, China.
TEL: +86-20-3220-6688
FAX: +86-20-3220-3226

Vacuum Laminator

Eternal Precision Mechanics (Guangzhou) Co., Ltd.
No. 8, Ruihe Road, Science City, High and New Technology Industrial Development Zone, Guangzhou 510535, Guangdong, China.
TEL: +86-20-3220-3226

Coatings Resins, New Products, Unsaturated polyester Resins

Eternal Materials (Guang Dong) Co., Ltd. Xiamen Branch
Room 1610, No.2 Building of Xinglin-Bay Business Park, No.474 Xinglin-Bay Road, Jimei District, Xiamen, Fujian 361022, China.
TEL: +86-592-2963-066
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華北地區

丙烯酸酯單體&丙烯酸酯低聚物、特殊塗料、有機矽相關材料
長興特殊材料(珠海)有限公司天津分公司
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長興化學(天津)有限公司南開分公司
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Northeast China

Acrylate Monomers & Acrylate Oligomers, Specialty Coatings, Silicone-base Materials
Eternal Specialty Materials (Zhuhai) Co., Ltd. Tianjin Branch
Room 1711,Huigu Building, 220 Hongqi Road,Nankai District,-
Tianjin, 300190, China.
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FAX: +86-22-8763-0052

Adhesive Materials, Coatings Resins, New Products, Unsaturated Polyester Resins

Eternal Chemical (TianJin) Co., Ltd. NanKai Branch
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Nankai District, Tianjin 300190, China
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東北地區

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Northeast China Photoresist Materials

Eternal Photoelectric Material Industry (Yingkou) Co., Ltd.
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Global Service Network

日本 Japan

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Chou Kou Materials Co., Ltd.

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長興材料駐越南代表辦事處

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泰國 Thailand

光阻材料

長興電子材料(泰國)有限公司

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TEL: +662-750-9086
FAX: +662-750-9096

Photoresist Materials

Eternal Electronic Material (Thailand) Co., Ltd.

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印度 India

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Eternal Materials India Private Limited

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Global Service Network

美國 U.S.A.

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馬來西亞 Malaysia

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長興材料工業股份有限公司

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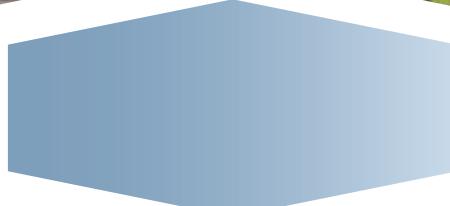
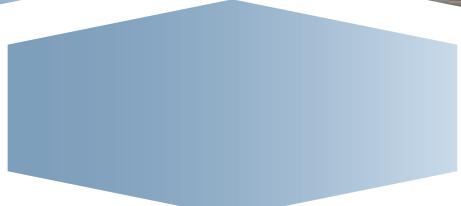
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